Journal of Nuclear Materials 191–194 (1992) 1481–1499
North-Holland

journal of nuclear materials

Author index

Abassin, J.J., see Roux, N. 191–194 (1992) 168
Abe, F., T. Noda, H. Araki and S. Nakazawa, High temperature strength of simple and solute-modified 10Cr–30Mn austenitic steels 191–194 (1992) 668
Abe, F., T. Noda, H. Araki, M. Narui and H. Kayano, Tensile properties of neutron irradiated 9Cr–WVTa steels 191–194 (1992) 845
Abe, F., see Klueh, R.L. 191–194 (1992) 116
Abe, F., see Noda, T. 191–194 (1992) 539
Abe, K., see Satou, M. 191–194 (1992) 938
Abe, K., see Satou, M. 191–194 (1992) 956
Abe, M., see Sagawa, H. 191–194 (1992) 1379
Abraham, M., see Hosoi, Y. 191–194 (1992) 686
Abromeit, C. and H. Wollenberger, Analytical description of disordering during cascade evolution in ordered intermetallics 191–194 (1992) 1092
Ache, H.J., see Penzhorn, R.-D. 191–194 (1992) 173
Akasaka, N., see Kinoshita, H. 191–194 (1992) 874
Akiba, M., M. Araki, S. Suzuki, H. Ise, K. Nakamura, K. Yokoyama, M. Dairaku and S. Tanaka, Experimental and analytical studies on thermal erosion of carbon-based materials with high thermal conductivity 191–194 (1992) 373
Akishin, A.I., Y.I. Tutrin and A.G. Khorosh, Destruction of insulators in superconducting magnetic systems for use in thermonuclear reactors due to electrostatic charge under gamma and electron irradiation 191–194 (1992) 1372
Albertini, G., F. Carsughi, R. Coppola, W. Kesternich, G. Mercurio, F. Rustichelli, D. Schwahn and H. Ullmaier, Study of He-bubble growth in MANET steel by small-angle neutron scattering 191–194 (1992) 1327
Alexander, D.E. and R.C. Birtcher, The effect of ion irradiation on inert gas bubble mobility 191–194 (1992) 1289
Alexander, D.J. and G.M. Goodwin, Thick-section weldments in 21-6-9 and 316LN stainless steel for fusion energy applications 191–194 (1992) 691
Alexander, D.J., see Klueh, R.L. 191–194 (1992) 896
Alimov, V.Kh., see Chernikov, V.N. 191–194 (1992) 320
Allen, C.W., see Kimoto, T. 191–194 (1992) 1194
Allen, W.R. and S.J. Zinkle, Lattice location and clustering of helium in ceramic oxides 191–194 (1992) 625
Altovski, I.V., see Zvezdin, Yu.I. 191–194 (1992) 855
Alvarez-Armas, I., A.F. Armas and C. Petersen, Dislocation substructures developed in martensitic steels under thermal fatigue 191–194 (1992) 841
Alvarez-Armas, I., see Armas, A.F. 191–194 (1992) 672
Ambrose, V., see Tam, S.W. 191–194 (1992) 253
Anderson, K.R., see Edwards, D.J. 191–194 (1992) 416
Ando, H., see Ishitsuka, E. 191–194 (1992) 183
Ando, T., K. Kodama, M. Yamamoto, T. Arai, A. Kaminaga, H. Horiike, M. Eto, K. Fukaya, T. Kiuchi, K. Teruyama, I. Nanai, S. Hanai, S. Ninomiya and M. Tezuka, Quality evaluation of graphites and carbon/carbon composites during production of JT-60U plasma facing materials 191–194 (1992) 1423
Arai, T., see Ando, T. 191–194 (1992) 1423
Arai, Y., see Kawanishi, H. 191–194 (1992) 933
Araki, H., see Abe, F. 191–194 (1992) 668
Araki, H., see Abe, F. 191–194 (1992) 845
Araki, H., see Noda, T. 191–194 (1992) 539
Araki, H., see Shikama, T. 191–194 (1992) 611
Araki, M., see Akiba, M. 191–194 (1992) 373
Armas, A.F., I. Alvarez-Armas and C. Petersen, Thermal fatigue behavior and dislocation substructures of 316-type austenitic stainless steels 191–194 (1992) 672
Armas, A.F., see Alvarez-Armas, I. 191–194 (1992) 841
Asaoka, Y., H. Moriyama, K. Iwasaki, K. Moritani and Y. Ito, In-situ luminescence measurement of lithium aluminate under ion beam irradiation 191–194 (1992) 268
Ashida, K., see Ishitsuka, E. 191–194 (1992) 183
Atsumi, H., M. Iseki and T. Shikama, Hydrogen solubility and diffusivity in neutron-irradiated graphite 191–194 (1992) 368
Attaya, H. and D. Smith, Activation analyses for different fusion structural alloys 191–194 (1992) 1469
Azizov, E.A., see Buzhinsky, O.I. 191–194 (1992) 1413
Baba, K., see Kohyama, A. 191–194 (1992) 722
Baba, T., see Tanabe, T. 191–194 (1992) 382
Bae, K.K., K. Ehrlich and A. Möslang, Tensile behavior and microstruc-

ture of the helium and hydrogen implanted 12% Cr-steel MANET 191–194 (1992) 905
Baer, D.R., see Kimura, A. 191–194 (1992) 885
Balageas, D.L., see Bein, B.K. 191–194 (1992) 315
Barabash, V., see Gahl, J.M. 191–194 (1992) 454
Barabash, V.R., A.A. Gervash, A.N. Naberenkov, E.V. Nesterova, V.V. Rybin and S.A. Fabritsiev, Microstructural evolution and swelling of copper alloys under ion irradiation 191–194 (1992) 411
Barabash, V.R., see Fabritsiev, S.A. 191–194 (1992) 426
Barabash, V.R., see Gorynin, I.V. 191–194 (1992) 401
Barabash, V.R., see Gorynin, I.V. 191–194 (1992) 421
Barabash, V.R., see Nesterova, E.V. 191–194 (1992) 407
Barabash, V.R., see Prokofiev, Yu.G. 191–194 (1992) 483
Barker, M.G., see Hubberstey, P. 191–194 (1992) 283
Barsanov, V.I., see Kalinin, G.M. 191–194 (1992) 1363
Barsuk, V.A., O.I. Buzhinskiy, V.A. Vershkov, S.A. Grashin, V.M. Gureev, M.I. Guseva, V.E. Neumoin, I.V. Opimach, E.N. Kurolenkin, R.U. Mametiev, E.V. Tupizina and V.N. Sharupin, Test of the boron-containing coating of the graphite limiter in the T-10 tokamak 191–194 (1992) 1417
Baskakov, E.P., see Polosuhin, B.G. 191–194 (1992) 219
Behrisch, R., see Roth, J. 191–194 (1992) 45
Bein, B.K., J. Gibkes, J.H. Gu, R. Hüttner, J. Pelzl, D.L. Balageas and A.A. Déom, Thermal wave characterization of plasma-facing materials by IR radiometry 191–194 (1992) 315
Bell, G.E.C., see Edgemon, G.L. 191–194 (1992) 997
Bell, G.E.C., see Inazumi, T. 191–194 (1992) 1018
Bellon, P., see Boulanger, L. 191–194 (1992) 473
Belov, A.M., see Buzhinsky, O.I. 191–194 (1992) 1413
Belyaeva, L.A., see Rybin, V.V. 191–194 (1992) 795
Berk, S.E., see Hollenberg, G.W. 191–194 (1992) 23
Birtcher, R.C., see Alexander, D.E. 191–194 (1992) 1289
Boatner, L.A., see Rao, G.R. 191–194 (1992) 748
Boerman, D., see Piatti, G. 191–194 (1992) 662
Bolt, H. and S. Tanaka, Initial erosion experiments in the steady state high flux plasma source MAP (materials and plasma) 191–194 (1992) 364
Bolt, H., H. Madarame, T. Sukegawa and S. Tanaka, Thermal erosion behaviour of carbon and boron–carbon materials during simulated plasma disruptions 191–194 (1992) 300
Bondarenko, G.G., see Ivanov, L.I. 191–194 (1992) 733
Bordeaux, F., see Saint-Jacques, R.G. 191–194 (1992) 465
Borgstedt, H.U. and H. Feuerstein, The solubility of metals in Pb–17Li liquid alloy 191–194 (1992) 988
Borgstedt, H.U., see Flament, T. 191–194 (1992) 132
Borodin, V.A., V.M. Manichev and A.I. Ryazanov, Grain boundary cavities and cracks during high temperature irradiation embrittlement 191–194 (1992) 1305
Boucher, C., see Saint-Jacques, R.G. 191–194 (1992) 465
Bouilloux, Y., see Rasneur, B. 191–194 (1992) 243
Boulanger, L., P. Bellon, Y. Serruys, N.V. Doan and G. Martin, Stability of phosphorus intermetallic compounds during irradiation of nickel-based alloys used in brazings 191–194 (1992) 473
Boulanger, L., see Doan, N.V. 191–194 (1992) 1106
Boutard, J.-L., see Chung, T.E. 191–194 (1992) 676
Bowers, D.A. and J.W. Sapp, Carbon-based materials thermal development testing and selection process for first wall and divertor applications 191–194 (1992) 305
Briec, M., see Roux, N. 191–194 (1992) 168
Brossa, F., E. Franconi and P. Schiller, Development of graphite/metals bondings for fusion reactor applications 191–194 (1992) 469
Brossa, F., see Rigon, G. 191–194 (1992) 460
Bruemmer, S.M., see Simonen, E.P. 191–194 (1992) 1002
Bulanova, T.M., see Shamardin, V.K. 191–194 (1992) 706
Burchell, T.D., W.P. Eatherly, J.M. Robbins and J.P. Strizak, The effect of neutron irradiation on the structure and properties of carbon–carbon composite materials 191–194 (1992) 295
Burtseva, T.A., O.K. Chugunov, E.F. Dovguchits, V.L. Komarov, I.V. Mazul, A.A. Mitrofansky, M.I. Persin, Y.G. Prokofiev, V.A. Sokolov, E.I. Trofimchuk and L.P. Zav'jalsky, Resistance of carbon-based materials for the ITER divertor under different radiation fluxes 191–194 (1992) 309
Butterworth, G.J., see Harries, D.R. 191–194 (1992) 92
Butterworth, G.J., see Miles, J.H. 191–194 (1992) 199
Butterworth, G.J., see Murphy, D. 191–194 (1992) 1444
Butterworth, G.J., see Prebble, H.E. 191–194 (1992) 391
Butterworth, G.J., see Smith, G.M. 191–194 (1992) 1455
Buzhinskiy, O.I., see Barsuk, V.A. 191–194 (1992) 1417
Buzhinsky, O.I., E.A. Azizov, A.M. Belov, S.A. Grashin, A.V. Krasilnikov, I.A. Kovan, C.V. Mirnov, A.A. Petrov, V.G. Petrov, D.V. Portnov, T.S. Pulinets, A.N. Romannikov, A.A. Skvortsova, S.M. Sotnikov, S.N. Tugarinov, S.I. Fedorenko, A.P. Chernobaj, A.I. Kanaev, V.M. Sharapov, S.Y. Rybakov, A.E. Gorodetsky, A.P. Zakharov, A.A. Vasilyev, S.N. Luzganov, V.P. Fokin and A.N. Chulkov, A simple boronization technique for T-3M and T-11M tokamak chambers 191–194 (1992) 1413
Bystrov, L.N., see Ivanov, L.I. 191–194 (1992) 733

Čadec, J., see Ivanov, L.I. 191–194 (1992) 681

Carsughi, F., W. Kesternich, D. Schwahn, H. Ullmaier and H. Schroeder, Coarsening of helium bubbles in FeCrNi measured by small angle neutron scattering 191–194 (1992) 1284

Carsughi, F., see Albertini, G. 191–194 (1992) 1327

Ceccotti, G.C., see Franconi, E. 191–194 (1992) 493

Chakin, V.P., see Fabritsiev, S.A. 191–194 (1992) 426

Chakin, V.P., see Gorynin, I.V. 191–194 (1992) 421

Chang, H.J. and J.J. Kai, Effects of temperature on the low cycle fatigue and microstructures of HT-9 ferritic steel 191–194 (1992) 836

Chao, B.L., see Odette, G.R. 191–194 (1992) 827

Charlot, L.A., see Kimura, A. 191–194 (1992) 885

Chen, J.M., see Qian, J.P. 191–194 (1992) 1229

Chen, K.Q., S.H. Yang, Z.G. Wang, J.G. Sun, J.M. Quan, L.W. Li and Y.M. Sun, The analysis of microstructure of helium bubbles in 316L SS induced by 3.02 MeV He ion irradiation 191–194 (1992) 737

Chen, Q., see Shan, C. 191–194 (1992) 221

Chen, Y., see Yu, J. 191–194 (1992) 728

Chen, Y., see Yu, J. 191–194 (1992) 818

Chernikov, V.N., V.K. Alimov, A.E. Gorodetsky, V.M. Sharapov, A.P. Zakharov and E.I. Kurolenkin, Microstructure and some properties of boron modified graphite USB-15 191–194 (1992) 320

Chernobaj, A.P., see Buzhinsky, O.I. 191–194 (1992) 1413

Chin, B.A., see Lee, C.K. 191–194 (1992) 488

Chin, B.A., see Nagarajan, S. 191–194 (1992) 1060

Chin, B.A., see Rao, G.R. 191–194 (1992) 748

Chin, B.A., see Wang, C.A. 191–194 (1992) 696

Chin, B.A., see Wang, C.A. 191–194 (1992) 831

Chin, B.A., see Zee, R.H. 191–194 (1992) 571

Chugunov, O.K., see Burtseva, T.A. 191–194 (1992) 309

Chulkov, A.N., see Buzhinsky, O.I. 191–194 (1992) 1413

Chung, H.M. and D.L. Smith, Correlation of microstructure and tensile and swelling behavior of neutron-irradiated vanadium alloys 191–194 (1992) 942

Chung, T.E., M.R. Kalantary, R.G. Faulkner and J.-L. Boutard, The effect of temperature on the low cycle fatigue of type 316L stainless steel over the range 20–200°C 191–194 (1992) 676

Chung, T.E., see Shakib, J.I. 191–194 (1992) 1404

Clinard, F.W., see Farnum, E.H. 191–194 (1992) 548

Clinard, Jr., F.W., E.H. Farnum, D.L. Griscom, R.F. Mattas, S.S. Medley, F.W. Wiffen, S.S. Wojtowicz, K.M. Young and S.J. Zinkle, Materials issues in diagnostic systems for BPX and ITER 191–194 (1992) 1399

Coen, V., see Flament, T. 191–194 (1992) 132

Coen, V., see Sample, T. 191–194 (1992) 960

Coen, V., see Sample, T. 191–194 (1992) 979

Cole, J.I., D.S. Gelles and J.J. Hoyt, Phase stability of reduced-activation Mn-stabilized austenitic steels 191–194 (1992) 657

Coomer, E., see Duquette, D.J. 191–194 (1992) 992

Coppola, R., see Albertini, G. 191–194 (1992) 1327

Coppola, R., see Gondi, P. 191–194 (1992) 1274

Cruz, D., see Roux, N. 191–194 (1992) 168

Dai, Y. and H. Schroeder, Helium effects on the post-implantation creep properties and the microstructure of AISI 316L welds and parent material 191–194 (1992) 754

Dai, Y., see Schroeder, H. 191–194 (1992) 781

Dairaku, M., see Akiba, M. 191–194 (1992) 373

Dalle Donne, M., A. Goraieb and G. Sordon, Measurements of the effective thermal conductivity of a bed of Li_4SiO_4 pebbles of 0.35–0.6 mm diameter and of a mixed bed of Li_4SiO_4 and aluminum pebbles 191–194 (1992) 149

Deng, B.Q., Q.R. Huang, L.L. Peng, O. Mao, J.J. Du, Z. Lu and X.Z. Liu, Measurement of hydrogen solubility, diffusivity and permeability in HR-1 stainless steel 191–194 (1992) 653

Déom, A.A., see Bein, B.K. 191–194 (1992) 315

Deutz, J., see Paulus, M. 191–194 (1992) 798

Diaz de la Rubia, T. and W.J. Phythian, Molecular dynamics studies of defect production and clustering in energetic displacement cascades in copper 191–194 (1992) 108

Dienst, W., Reduction of the mechanical strength of Al_2O_3, AlN and SiC under neutron irradiation 191–194 (1992) 555

Djomina, E.V., see Shamardin, V.K. 191–194 (1992) 706

Doan, N.V., F. Rossi and L. Boulanger, Nonlinear effect of atomic displacements and created defects in irradiation cascades 191–194 (1992) 1106

Doan, N.V., see Boulanger, L. 191–194 (1992) 473

Dobrynskih, A.G., see Polosuhin, B.G. 191–194 (1992) 219

Dohi, K., see Muroga, T. 191–194 (1992) 1248

Doran, D.G., Toward improved guidelines for reduced activation materials development in the US 191–194 (1992) 1439

Doran, D.G., see Kondo, T. 191–194 (1992) 100

Dovguchits, E.F., see Burtseva, T.A. 191–194 (1992) 309

Du, J.J., see Deng, B.Q. 191–194 (1992) 653

Dufrenoy, T., see Sannier, J. 191–194 (1992) 975

Dufrenoy, T., see Terlain, A. 191–194 (1992) 984

Duquette, D.J., K.L. Wrisley, E. Coomer and D. Steiner, Corrosion behavior of stainless steels in aqueous salt blanket option solutions for ITER 191–194 (1992) 992

Dyomina, E.V., V.V. Ivanov, L.I. Ivanov, V.P. Kolotov and Y.M.

Platov, Environmental problems of application of iron as a base material of low activating steels for fusion and fission reactors 191–194 (1992) 1461
Dyomina, E.V., see Ivanov, L.I. 191–194 (1992) 681

Eatherly, W.P., see Burchell, T.D. 191–194 (1992) 295
Eckstein, W., see Roth, J. 191–194 (1992) 45
Edgemon, G.L., P.F. Tortorelli and G.E.C. Bell, Effects of compositional modifications on the sensitization behavior of Fe–Cr–Mn steels 191–194 (1992) 997
Edwards, D.J., K.R. Anderson, F.A. Garner, M.L. Hamilton, J.F. Stubbins and A.S. Kumar, Irradiation performance of oxide dispersion strengthened copper alloys to 150 dpa at 415°C 191–194 (1992) 416
Edwards, D.J., see Garner, F.A. 191–194 (1992) 386
Ehrlich, K., see Bae, K.K. 191–194 (1992) 905
Ehrlich, K., see Klueh, R.L. 191–194 (1992) 116
Ehrlich, K., see Kondo, T. 191–194 (1992) 100
Ehrlich, K., see Wassilew, C. 191–194 (1992) 850
Eiholzer, C.R., see Garner, F.A. 191–194 (1992) 813
Eiholzer, C.R., see Toloczko, M.B. 191–194 (1992) 803
El-Azab, A. and N.M. Ghoniem, Molecular dynamics study of the displacement threshold surfaces and the stability of Frenkel pairs in β-SiC 191–194 (1992) 1110
Eldrup, M., see Singh, B.N. 191–194 (1992) 1259
Elen, J.D. and P. Fenici, Fast neutron irradiation hardening of austenitic stainless steel at 250°C 191–194 (1992) 766
Eleveld, H. and A. van Veen, Deuterium interaction with impurities in tungsten studied with TDS 191–194 (1992) 433
Endo, Y., see Narui, M. 191–194 (1992) 592
Endo, Y., see Shikama, T. 191–194 (1992) 544
Endo, Y., see Shikama, T. 191–194 (1992) 575
Enmark, M., G. Lucas and G.R. Odette, An electric potential drop technique for characterizing part-through surface cracks 191–194 (1992) 1038
Estrade, J., see Thevenot, G. 191–194 (1992) 226
Eto, M., see Ando, T. 191–194 (1992) 1423
Eto, M., see Suzuki, M. 191–194 (1992) 1023
Evtikhin, V.A., I.E. Lyublinski, V.Y. Pankratov and L.P. Zavyalski, Vanadium alloys as structural materials for liquid lithium blanket of fusion reactors 191–194 (1992) 924
Ezawa, T., E. Wakai, T. Tanabe and R. Oshima, The effect of helium atoms on radiation-induced segregation in nickel alloys 191–194 (1992) 1346

Fabritsiev, S.A., V.A. Gosudarenkova, V.A. Potapova, V.V. Rybin, L.S. Kosachev, V.P. Chakin, A.S. Pokrovsky and V.R. Barabash, Effects of neutron irradiation on physical and mechanical properties of Mo–Re alloys 191–194 (1992) 426
Fabritsiev, S.A., see Barabash, V.R. 191–194 (1992) 411
Fabritsiev, S.A., see Gorynin, I.V. 191–194 (1992) 401
Fabritsiev, S.A., see Gorynin, I.V. 191–194 (1992) 421
Fabritsiev, S.A., see Nesterova, E.V. 191–194 (1992) 407
Fabritsiev, S.A., see Prokofiev, Yu.G. 191–194 (1992) 483
Farnum, E.H., J.C. Kennedy, F.W. Clinard and H.M. Frost, Radiation-induced conductivity in alumina from 100 Hz to 10 MHz during proton irradiation 191–194 (1992) 548
Farnum, E.H., see Clinard, Jr., F.W. 191–194 (1992) 1399
Faulkner, R.G., E.A. Little and T.S. Morgan, Irradiation-induced grain and lath boundary segregation in ferritic–martensitic steels 191–194 (1992) 858
Faulkner, R.G., see Chung, T.E. 191–194 (1992) 676
Faulkner, R.G., see Shakib, J.I. 191–194 (1992) 1404
Fedorenko, S.I., see Buzhinsky, O.I. 191–194 (1992) 1413
Fedosova, L.G., see Rybin, V.V. 191–194 (1992) 795
Feng, K.M., Activation calculation for a tokamak engineering test breeder 191–194 (1992) 1464
Fenici, P. and S. Suolang, Fatigue crack growth in 316 type stainless steel at temperatures and displacement damage rates representative for the first wall loading 191–194 (1992) 1408
Fenici, P., see Elen, J.D. 191–194 (1992) 766
Ferguson, P.D., see Heinisch, H.L. 191–194 (1992) 1177
Ferguson, P.D., see Muroga, T. 191–194 (1992) 1150
Ferguson, P.D., see Sommer, W.F. 191–194 (1992) 1374
Feuerstein, H., J. Oschinski and S. Horn, Behavior of Po-210 in molten Pb–17Li 191–194 (1992) 288
Feuerstein, H., see Borgstedt, H.U. 191–194 (1992) 988
Feve, L., see Flament, T. 191–194 (1992) 163
Fischer, A.K., Temperature programmed desorption from $LiAlO_2$ treated with H_2 191–194 (1992) 236
Flament, T., D. Herpin, L. Feve and J. Sannier, Compatibility of stainless steels and lithium based ceramics with beryllium 191–194 (1992) 163
Flament, T., P. Tortorelli, V. Coen and H.U. Borgstedt, Compatibility of materials in fusion first wall and blanket structures cooled by liquid metals 191–194 (1992) 132
Flament, T., see Roux, N. 191–194 (1992) 168
Flament, T., see Sannier, J. 191–194 (1992) 975
Flament, T., see Terlain, A. 191–194 (1992) 984
Flament, T., see Thevenot, G. 191–194 (1992) 226
Fokin, V.P., see Buzhinsky, O.I. 191–194 (1992) 1413
Foreman, A.J.E., see Singh, B.N. 191–194 (1992) 1265
Forty, C.B.A., see Prebble, H.E. 191–194 (1992) 391
Franconi, E., G.C. Ceccotti and L. Magnoli, Development of beryllium bonds for plasma-facing components 191–194 (1992) 493

Franconi, E., see Brossa, F. 191–194 (1992) 469
Franenberg, H.W., see Proust, E. 191–194 (1992) 186
Frost, H.M., see Farnum, E.H. 191–194 (1992) 548
Fujii, K., K. Ogawa and S. Kaga, Effect of neutron irradiation on the strength of electron beam welded JFMS steel 191–194 (1992) 901
Fujita, H., see Takagi, I. 191–194 (1992) 1313
Fujita, M., see Nakajima, H. 191–194 (1992) 1046
Fujitsuka, M., see Shikama, T. 191–194 (1992) 611
Fujitsuka, M., see Tanabe, T. 191–194 (1992) 382
Fujiwara, T., see Tokunaga, K. 191–194 (1992) 449
Fukaya, K., see Ando, T. 191–194 (1992) 1423
Fukaya, K., see Suzuki, M. 191–194 (1992) 1023
Fukumoto, K.-i., see Nakai, K. 191–194 (1992) 630
Fukuya, K., S. Shima, H. Kayano and M. Narui, Stress corrosion cracking and intergranular corrosion of neutron irradiated austenitic stainless steels 191–194 (1992) 1007
Furuno, S., K. Hojou, K. Izui, N. Kamigaki, K. Ono and T. Kino, In-situ observation of structural changes in aluminum during He^+ and H_2^+ dual-ion beam irradiation 191–194 (1992) 1219
Furuno, S., see Hojou, K. 191–194 (1992) 583
Furuno, S., see Kamigaki, N. 191–194 (1992) 1214
Furuno, S., see Kushita, K.N. 191–194 (1992) 346
Furuno, S., see Kushita, K.N. 191–194 (1992) 351
Furuno, S., see Ono, K. 191–194 (1992) 1209
Furuno, S., see Ono, K. 191–194 (1992) 1269
Futamura, Y., see Ishitsuka, E. 191–194 (1992) 183
Futamura, Y., see Sagawa, H. 191–194 (1992) 1379

Gahl, J.M., J.M. McDonald, A. Zakharov, S. Tserevitinov, V. Barabash and M. Guseva, Heat load material studies: simulated tokamak disruptions 191–194 (1992) 454
Garcia-Rosales, C., see Roth, J. 191–194 (1992) 45
Garner, F.A., D.S. Gelles, H. Takahashi, S. Ohnuki, H. Kinoshita and B.A. Loomis, High swelling rates observed in neutron-irradiated V–Cr and V–Si binary alloys 191–194 (1992) 948
Garner, F.A., M.L. Hamilton, C.R. Eiholzer, M.B. Toloczko and A.S. Kumar, Irradiation and thermal creep of a titanium-modified austenitic stainless steel and its dependence on cold work level 191–194 (1992) 813
Garner, F.A., M.L. Hamilton, T. Shikama, D.J. Edwards and J.W. Newkirk, Response of solute and precipitation strengthened copper alloys at high neutron exposure 191–194 (1992) 386
Garner, F.A., see Edwards, D.J. 191–194 (1992) 416
Garner, F.A., see Greenwood, L.R. 191–194 (1992) 1051
Garner, F.A., see Greenwood, L.R. 191–194 (1992) 1096
Garner, F.A., see Hamilton, M.L. 191–194 (1992) 1239
Garner, F.A., see Miyahara, K. 191–194 (1992) 1198
Garner, F.A., see Sekimura, N. 191–194 (1992) 1234
Garner, F.A., see Sekimura, N. 191–194 (1992) 1244
Garner, F.A., see Singh, B.N. 191–194 (1992) 1172
Garner, F.A., see Singh, B.N. 191–194 (1992) 1259
Garner, F.A., see Stubbins, J.F. 191–194 (1992) 1295
Garner, F.A., see Stubbins, J.F. 191–194 (1992) 1300
Garner, F.A., see Toloczko, M.B. 191–194 (1992) 803
Garner, F.A., see Woo, C.H. 191–194 (1992) 1224
Garner, F.A., see Woo, C.H. 191–194 (1992) 1309
Gavillet, D., P. Marmy and M. Victoria, The microstructure of the 1.4914 MANET martensitic steel before and after irradiation with 590 MeV protons 191–194 (1992) 890
Gelles, D.S. and H.L. Heinisch, Neutron damage in beryllium 191–194 (1992) 194
Gelles, D.S., S. Ohnuki, H. Takahashi, H. Matsui and Y. Kohno, Electron irradiation experiments in support of fusion materials development 191–194 (1992) 1336
Gelles, D.S., see Cole, J.I. 191–194 (1992) 657
Gelles, D.S., see Garner, F.A. 191–194 (1992) 948
Gelles, D.S., see Kimura, A. 191–194 (1992) 885
Gelles, D.S., see Kohno, Y. 191–194 (1992) 868
Gelles, D.S., see Singh, B.N. 191–194 (1992) 1172
Gervash, A.A., see Barabash, V.R. 191–194 (1992) 411
Gervash, A.A., see Prokofiev, Yu.G. 191–194 (1992) 483
Ghoniem, N., see Huang, H. 191–194 (1992) 607
Ghoniem, N.M., High-temperature mechanical and material design for SiC composites 191–194 (1992) 515
Ghoniem, N.M., see El-Azab, A. 191–194 (1992) 1110
Gibkes, J., see Bein, B.K. 191–194 (1992) 315
Gibson, L.T., see Jitsukawa, S. 191–194 (1992) 771
Gondi, P., R. Montanari and R. Coppola, On the statistical distribution of Cr atoms in Fe–Cr alloys with high swelling resistance in NFR 191–194 (1992) 1274
Goodwin, G.M., see Alexander, D.J. 191–194 (1992) 691
Goraieb, A., see Dalle Donne, M. 191–194 (1992) 149
Gorodetsky, A.E., see Buzhinsky, O.I. 191–194 (1992) 1413
Gorodetsky, A.E., see Chernikov, V.N. 191–194 (1992) 320
Gorodetsky, A.E., see Sharapov, V.M. 191–194 (1992) 508
Gorynin, I.V., S.A. Fabritsiev, V.V. Rybin, V.A. Kasakov, A.S. Pokrovskii, V.R. Barabash and Y.G. Prokofiyev, Radiation-resistant properties of copper alloys intended for fusion reactor applications 191–194 (1992) 401
Gorynin, I.V., V.A. Ignatov, V.V. Rybin, S.A. Fabritsiev, V.A. Kazakov, V.P. Chakin, V.A. Tsykanov, V.R. Barabash and Y.G. Prokofyev, Effects of neutron irradiation on properties of refractory metals 191–194 (1992) 421
Gosudarenkova, V.A., see Fabritsiev, S.A. 191–194 (1992) 426

Gotoh, Y., T. Yamaki, K. Tokiguchi and H. Shimizu, Thermal desorption spectroscopy of pyrolytic graphite cleavage faces after keV deuterium irradiation at 330–1000 K 191–194 (1992) 360
Goulding, R.H., see Pells, G.P. 191–194 (1992) 535
Goulding, R.H., see Stoller, R.E. 191–194 (1992) 602
Grashin, S.A., see Barsuk, V.A. 191–194 (1992) 1417
Grashin, S.A., see Buzhinsky, O.I. 191–194 (1992) 1413
Greenwood, L.R., F.A. Garner and B.M. Oliver, Helium generation rates in isotopically tailored Fe–Cr–Ni alloys irradiated in FFTF/MOTA 191–194 (1992) 1051
Greenwood, L.R., F.A. Garner and H.L. Heinisch, The impact of spectral effects in fast reactors on data analysis and development of fission–fusion correlations 191–194 (1992) 1096
Greenwood, L.R., see O'Hearn, T.B. 191–194 (1992) 1383
Griffin, R.D., see Sekimura, N. 191–194 (1992) 1234
Grigoryan, A.A., see Zvezdin, Yu.I. 191–194 (1992) 855
Griscom, D.L., see Clinard, Jr., F.W. 191–194 (1992) 1399
Grossbeck, M.L., P.J. Maziasz and A.F. Rowcliffe, Modeling of strengthening mechanisms in irradiated fusion reactor first wall alloys 191–194 (1992) 808
Grossbeck, M.L., see Jitsukawa, S. 191–194 (1992) 790
Grossbeck, M.L., see Kohyama, A. 191–194 (1992) 37
Grossbeck, M.L., see Wang, C.A. 191–194 (1992) 696
Gu, J.H., see Bein, B.K. 191–194 (1992) 315
Guerra, D., see Sanz, J. 191–194 (1992) 1450
Günther, E., see Wedemeyer, H. 191–194 (1992) 240
Guo, Z., see Qian, J.P. 191–194 (1992) 340
Gureev, V.M., see Barsuk, V.A. 191–194 (1992) 1417
Guseva, M., see Gahl, J.M. 191–194 (1992) 454
Guseva, M.I., see Barsuk, V.A. 191–194 (1992) 1417

Hamada, K., see Kohyama, A. 191–194 (1992) 1033
Hamada, K., see Kojima, S. 191–194 (1992) 1155
Hamada, K., see Sato, S. 191–194 (1992) 616
Hamada, K., see Yoshiie, T. 191–194 (1992) 1160
Hamada, S., see Suzuki, M. 191–194 (1992) 1351
Hamilton, M.L. and F.A. Garner, The influence of helium on mechanical properties of model austenitic alloys, determined using ^{59}Ni isotopic tailoring and fast reactor irradiation 191–194 (1992) 1239
Hamilton, M.L., see Edwards, D.J. 191–194 (1992) 416
Hamilton, M.L., see Garner, F.A. 191–194 (1992) 386
Hamilton, M.L., see Garner, F.A. 191–194 (1992) 813
Hamilton, M.L., see Heinisch, H.L. 191–194 (1992) 1177
Hanai, S., see Ando, T. 191–194 (1992) 1423
Harries, D.R., G.J. Butterworth, A. Hishinuma and F.W. Wiffen, Evaluation of reduced-activation options for fusion materials development 191–194 (1992) 92
Hasegawa, A. and H. Shiraishi, Helium implantation effects on low activation 9Cr martensitic steels 191–194 (1992) 910
Hashimoto, E., see Kamigaki, N. 191–194 (1992) 1214
Hassanein, A. and D.L. Smith, Thermal response of substrate structural materials during a plasma disruption 191–194 (1992) 503
Hassanein, A., Analysis of sweeping heat loads on divertor plate materials 191–194 (1992) 499
Hastings, I.J., see Hollenberg, G.W. 191–194 (1992) 23
Hayakawa, H., see Yamanouchi, N. 191–194 (1992) 822
Hayashi, T., K. Okuno and Y. Naruse, Permeation behavior of deuterium implanted into aluminium–lithium alloys 191–194 (1992) 1065
Heidinger, R., see Ibarra, A. 191–194 (1992) 530
Heidinger, R., see Pells, G.P. 191–194 (1992) 535
Heinisch, H.L. and B.N. Singh, Molecular dynamics and binary collision modeling of the primary damage state of collision cascades 191–194 (1992) 1083
Heinisch, H.L., M.L. Hamilton, W.F. Sommer and P.D. Ferguson, Tensile property changes of metals irradiated to low doses with fission, fusion and spallation neutrons 191–194 (1992) 1177
Heinisch, H.L., see Gelles, D.S. 191–194 (1992) 194
Heinisch, H.L., see Greenwood, L.R. 191–194 (1992) 1096
Heinisch, H.L., see Muroga, T. 191–194 (1992) 1150
Henager, Jr., C.H., see Jones, R.H. 191–194 (1992) 1012
Henager, Jr., C.H., see Jones, R.H. 191–194 (1992) 75
Herpin, D., see Flament, T. 191–194 (1992) 163
Hidaka, Y., see Ohnuki, S. 191–194 (1992) 1134
Higashi, K., see Takagi, I. 191–194 (1992) 1313
Hirayama, S., see Kawabe, T. 191–194 (1992) 1387
Hishinuma, A., see Harries, D.R. 191–194 (1992) 92
Hishinuma, A., see Jitsukawa, S. 191–194 (1992) 771
Hishinuma, A., see Jitsukawa, S. 191–194 (1992) 790
Hishinuma, A., see Kohno, Y. 191–194 (1992) 868
Hishinuma, A., see Kohyama, A. 191–194 (1992) 722
Hishinuma, A., see Ohnuki, S. 191–194 (1992) 1134
Hishinuma, A., see Sawai, T. 191–194 (1992) 712
Hishinuma, A., see Suzuki, M. 191–194 (1992) 1056
Hishinuma, A., see Suzuki, M. 191–194 (1992) 1351
Hishinuma, A., see Yamanouchi, N. 191–194 (1992) 822
Hodgson, E.R., Radiation enhanced electrical breakdown in fusion insulators from dc to 126 MHz 191–194 (1992) 552
Hodgson, E.R., see Zinkle, S.J. 191–194 (1992) 58
Hojou, K., S. Furuno, K.N. Kushita, H. Otsu and K. Izui, In-situ observation of damage evolution in SiC crystals during He^+ and H_2^+ dual-ion beam irradiation 191–194 (1992) 583
Hojou, K., see Furuno, S. 191–194 (1992) 1219
Hojou, K., see Kamigaki, N. 191–194 (1992) 1214
Hojou, K., see Kenik, E.A. 191–194 (1992) 1331
Hojou, K., see Kushita, K.N. 191–194 (1992) 346
Hojou, K., see Kushita, K.N. 191–194 (1992) 351
Hojou, K., see Ono, K. 191–194 (1992) 1209

Hojou, K., see Ono, K. 191–194 (1992) 1269
Hollenberg, G.W., H. Watanabe, I.J. Hastings and S.E. Berk, BEATRIX-II: A multinational solid breeder materials experiment 191–194 (1992) 23
Hollenberg, G.W., see Jones, R.H. 191–194 (1992) 75
Hollenberg, G.W., see Slagle, O.D. 191–194 (1992) 214
Horiike, H., see Ando, T. 191–194 (1992) 1423
Horn, S., see Feuerstein, H. 191–194 (1992) 288
Horsewell, A., see Singh, B.N. 191–194 (1992) 1172
Horsewell, A., see Singh, B.N. 191–194 (1992) 1259
Hoshino, M., see Kiritani, M. 191–194 (1992) 1128
Hoshiya, T., S. Shimakawa, Y. Ichihashi and M. Nishikawa, Restoration phenomena of Ti–Ni shape memory alloys in a neutron irradiation environment 191–194 (1992) 1070
Hosoi, Y., Y. Shimoide, M. Abraham, M. Kutsuna and K. Miyahara, Influence of tungsten, carbon and nitrogen on toughness and weldability of low activation austenitic high manganese stainless steels 191–194 (1992) 686
Hosoi, Y., see Miyahara, K. 191–194 (1992) 1198
Hosoi, Y., see Miyahara, K. 191–194 (1992) 786
Hoyt, J.J., see Cole, J.I. 191–194 (1992) 657
Huang, H. and N. Ghoniem, Linear stability analysis of helium-filled cavities in SiC 191–194 (1992) 607
Huang, Q., see Shan, C. 191–194 (1992) 221
Huang, Q.R., see Deng, B.Q. 191–194 (1992) 653
Hubberstey, P. and T. Sample, Thermodynamic and experimental evaluation of the sensitivity of Pb–17Li breeder blankets to atmospheric contamination 191–194 (1992) 277
Hubberstey, P., T. Sample and M.G. Barker, Is Pb–17Li really the eutectic alloy? A redetermination of the lead-rich section of the Pb–Li phase diagram ($0.0 < x_{Li}(at\%) < 22.1$) 191–194 (1992) 283
Huber, S., see Penzhorn, R.-D. 191–194 (1992) 173
Hull, A.B., see Peterson, D.T. 191–194 (1992) 430
Hull, J.R., Potential for use of high-temperature superconductors in fusion reactors 191–194 (1992) 520
Hüttner, R., see Bein, B.K. 191–194 (1992) 315

Ibarra, A., R. Heidinger and J. Mollá, New potentials for high mechanical strength grades of polycrystalline alumina for EC waves windows 191–194 (1992) 530
Ibarra-Sanchez, A., see Pells, G.P. 191–194 (1992) 535
Ichihashi, Y., see Hoshiya, T. 191–194 (1992) 1070
Ichihashi, Y., see Sagawa, H. 191–194 (1992) 1379
Ichihashi, Y., see Sakamoto, N. 191–194 (1992) 158
Igarashi, S., see Okada, A. 191–194 (1992) 1028
Igata, N., T. Irino and A. Kohyama, The role of minor alloying elements in swelling of 316 steel 191–194 (1992) 1323
Igawa, N., see Noda, K. 191–194 (1992) 248
Igawa, N., see Ohno, H. 191–194 (1992) 525
Ignatov, V.A., see Gorynin, I.V. 191–194 (1992) 421
Ihle, H.R., see Penzhorn, R.-D. 191–194 (1992) 173
Imoto, S., see Tanabe, T. 191–194 (1992) 439
Inazumi, T., G.E.C. Bell, P.J. Maziasz and T. Kondo, Radiation-induced sensitization of a titanium-modified austenitic stainless steel irradiated in a spectral-tailored experiment at 60–400°C 191–194 (1992) 1018
Inoue, H., T. Muroga, Y. Miyamoto and N. Yoshida, Characteristics of point defects and their clustering processes in Fe-Mn-Cr and Fe-Mn-Si-Cr alloys 191–194 (1992) 1342
Irino, T., see Igata, N. 191–194 (1992) 1323
Ise, H., see Akiba, M. 191–194 (1992) 373
Iseki, M., see Atsumi, H. 191–194 (1992) 368
Iseki, T., T. Yano and H. Miyazaki, X-ray line broadening in neutron irradiated silicon carbide 191–194 (1992) 588
Iseki, T., see Yano, T. 191–194 (1992) 635
Ishida, I., The control of point defect processes by the coherent-iron precipitates in copper alloys 191–194 (1992) 1139
Ishida, Y., see Yamamoto, S. 191–194 (1992) 759
Ishihama, Y., see Muroga, T. 191–194 (1992) 1248
Ishii, Y., see Noda, K. 191–194 (1992) 248
Ishii, Y., see Ohno, H. 191–194 (1992) 525
Ishino, S., see Kanzaki, Y. 191–194 (1992) 1119
Ishino, S., see Kawanishi, H. 191–194 (1992) 933
Ishino, S., see Morishita, K. 191–194 (1992) 1123
Ishitsuka, E., H. Kawamura, K. Ashida, M. Matsuyama, K. Watanabe, H. Ando and Y. Futamura, Surface characterization of hot-pressed beryllium with X-ray photoelectron spectroscopy 191–194 (1992) 183
Ishitsuka, E., see Sakamoto, N. 191–194 (1992) 158
Ishiyama, T., see Jitsukawa, S. 191–194 (1992) 771
Ito, K., see Ono, K. 191–194 (1992) 1209
Ito, K., see Ono, K. 191–194 (1992) 1269
Ito, Y., see Asaoka, Y. 191–194 (1992) 268
Ito, Y., see Moriyama, H. 191–194 (1992) 190
Itoh, A., see Miyahara, K. 191–194 (1992) 786
Itoh, S., see Tokunaga, K. 191–194 (1992) 449
Ivanov, L.I., E.V. Dyomina, K. Milička and J. Čadec, High temperature creep behaviour of 12Cr–20Mn–W austenitic stainless steel 191–194 (1992) 681
Ivanov, L.I., L.N. Bystrov, Y.M. Platov, V.M. Lazorenko, G.G. Bondarenko, O.M. Kasjanov and V.M. Ustinovshchikov, Electron irradiation induced structure-phase transformation in low radioactivation chromium–manganese steel 191–194 (1992) 733
Ivanov, L.I., V.N. Pimenov and J.M. Platov, Damage of first wall mate-

rials of fusion reactor during plasma disruption 191–194 (1992) 1392
Ivanov, L.I., V.V. Ivanov, V.M. Lazorenko, Y.M. Platov and V.I. Tovtin, Structural and phase changes and radiation damage in low-activation vanadium–titanium alloys on electron and neutron irradiation 191–194 (1992) 928
Ivanov, L.I., V.V. Ivanov, V.M. Lazorenko, Y.M. Platov, V.I. Tovtin and L.S. Toropova, Radiation resistance and parameters of activation of aluminium–magnesium–scandium and aluminium–magnesium–vanadium alloys under neutron irradiation 191–194 (1992) 1075
Ivanov, L.I., see Dyomina, E.V. 191–194 (1992) 1461
Ivanov, L.I., see Shamardin, V.K. 191–194 (1992) 706
Ivanov, V.V., see Dyomina, E.V. 191–194 (1992) 1461
Ivanov, V.V., see Ivanov, L.I. 191–194 (1992) 1075
Ivanov, V.V., see Ivanov, L.I. 191–194 (1992) 928
Iwasaki, K., see Asaoka, Y. 191–194 (1992) 268
Iwasaki, K., see Moriyama, H. 191–194 (1992) 190
Iwata, S., see Nakajima, H. 191–194 (1992) 1046
Izui, K., see Furuno, S. 191–194 (1992) 1219
Izui, K., see Hojou, K. 191–194 (1992) 583
Izui, K., see Kamigaki, N. 191–194 (1992) 1214
Izui, K., see Ono, K. 191–194 (1992) 1269

Jiao, L., see Wanderka, N. 191–194 (1992) 1356
Jitsukawa, S., M.L. Grossbeck and A. Hishinuma, Stress–strain relations of irradiated stainless steels below 673 K 191–194 (1992) 790
Jitsukawa, S., P.J. Maziasz, T. Ishiyama, L.T. Gibson and A. Hishinuma, Tensile properties of austenitic stainless steels and their weld joints after irradiation by the ORR-spectrally-tailoring experiment 191–194 (1992) 771
Jitsukawa, S., see Suzuki, M. 191–194 (1992) 1351
Johnson, C., see Roux, N. 191–194 (1992) 15
Johnson, C.E., see Kopasz, J.P. 191–194 (1992) 231
Jones, R.H. and C.H. Henager, Jr., Effect of gamma irradiation on stress corrosion behavior of austenitic stainless steel under ITER-relevant conditions 191–194 (1992) 1012
Jones, R.H., C.H. Henager, Jr. and G.W. Hollenberg, Composite materials for fusion applications 191–194 (1992) 75
Jones, R.H., see Kimura, A. 191–194 (1992) 885
Jones, R.H., see Simonen, E.P. 191–194 (1992) 1002
Jung, P., Diffusion and retention of helium in graphite and silicon carbide 191–194 (1992) 377

Kaga, S., see Fujii, K. 191–194 (1992) 901
Kageyama, Y., see Ono, K. 191–194 (1992) 1209
Kai, J.-J. and R.D. Lee, Effects of irradiation on the microstructure of INCONEL 600 alloy 191–194 (1992) 717
Kai, J.J., see Chang, H.J. 191–194 (1992) 836
Kakazu, Y., see Okada, A. 191–194 (1992) 1028
Kalantary, M.R., see Chung, T.E. 191–194 (1992) 676
Kalinin, G.M., Y.S. Strebkov, A.V. Sidorenkov, A.P. Zyryanov, V.I. Barsanov, V.V. Shushlebin, V.V. Rybin, V.F. Vinokurov, N.B. Odintsov, V.A. Zykanov, V.K. Shamardin and V.A. Kazakov, Experimental facilities for investigation of structural material properties for fusion reactor under irradiation 191–194 (1992) 1363
Kalinin, G.M., see Nekrashevitch, Ju.G. 191–194 (1992) 1042
Kalinin, G.M., see Polosuhin, B.G. 191–194 (1992) 219
Kamigaki, N., S. Furuno, K. Hojou, K. Ono, E. Hashimoto, K. Izui and T. Kino, Evolution of structural damage in aluminum alloys irradiated with helium ions 191–194 (1992) 1214
Kamigaki, N., see Furuno, S. 191–194 (1992) 1219
Kamigaki, N., see Ono, K. 191–194 (1992) 1209
Kaminaga, A., see Ando, T. 191–194 (1992) 1423
Kanaev, A.I., see Buzhinsky, O.I. 191–194 (1992) 1413
Kanaev, A.I., see Sharapov, V.M. 191–194 (1992) 508
Kanazawa, H., see Sawai, T. 191–194 (1992) 712
Kanzaki, Y., N. Sekimura and S. Ishino, Accumulation processes of cascade damage under heavy ion irradiation 191–194 (1992) 1119
Kasahara, S., Y. Katano, S. Shimanuki, K. Nakata and H. Ohno, Electrical conductivity changes in silicon carbide under γ-ray irradiation 191–194 (1992) 579
Kasahara, S., see Katano, Y. 191–194 (1992) 598
Kasakov, V.A., see Gorynin, I.V. 191–194 (1992) 401
Kasjanov, O.M., see Ivanov, L.I. 191–194 (1992) 733
Katano, Y., K. Nakata, S. Kasahara and H. Ohno, Effects of Cr_2O_3 on electrical conductivity during γ-ray irradiation in single crystalline Al_2O_3 191–194 (1992) 598
Katano, Y., see Kasahara, S. 191–194 (1992) 579
Kato, H., see Kiritani, M. 191–194 (1992) 1128
Kato, Y., K. Watanabe and T. Kondo, Preliminary design study of the target and lithium circulation system for ESNIT 191–194 (1992) 1428
Kato, Y., see Noda, K. 191–194 (1992) 1367
Katoh, Y., R.E. Stoller, Y. Kohno and A. Kohyama, Modeling the effects of damage rate and He/dpa ratio on microstructural evolution 191–194 (1992) 1144
Katoh, Y., Y. Kohno, A. Kohyama and H. Kayano, Microstructural changes in Fe–10Cr–2Mo steel by

neutron or charged particle irradiation 191–194 (1992) 1204
Katoh, Y., see Kohyama, A. 191–194 (1992) 722
Kawabe, T., H. Yamaguchi, N. Mizuno, H. Sagawa, N. Tachikawa and S. Hirayama, Neutron and plasma irradiations of fusion reactor materials using fusion plasma neutron sources 191–194 (1992) 1387
Kawamura, H., see Ishitsuka, E. 191–194 (1992) 183
Kawamura, H., see Sagawa, H. 191–194 (1992) 1379
Kawamura, H., see Sakamoto, N. 191–194 (1992) 158
Kawanishi, H., Y. Arai and S. Ishino, Microstructural investigation of helium and lithium effects in V–Ti alloys irradiated in FFTF by means of ^{10}B-doping 191–194 (1992) 933
Kayano, H., see Abe, F. 191–194 (1992) 845
Kayano, H., see Fukuya, K. 191–194 (1992) 1007
Kayano, H., see Katoh, Y. 191–194 (1992) 1204
Kayano, H., see Kimura, A. 191–194 (1992) 879
Kayano, H., see Kohno, Y. 191–194 (1992) 742
Kayano, H., see Miyahara, K. 191–194 (1992) 786
Kayano, H., see Narui, M. 191–194 (1992) 592
Kayano, H., see Satou, M. 191–194 (1992) 956
Kayano, H., see Shikama, T. 191–194 (1992) 544
Kayano, H., see Shikama, T. 191–194 (1992) 575
Kazakov, V.A., see Gorynin, I.V. 191–194 (1992) 421
Kazakov, V.A., see Kalinin, G.M. 191–194 (1992) 1363
Kenik, E.A. and K. Hojou, Radiation-induced segregation in FFTF-irradiated austenitic stainless steels 191–194 (1992) 1331
Kennedy, J.C., see Farnum, E.H. 191–194 (1992) 548
Kesternich, W., see Albertini, G. 191–194 (1992) 1327
Kesternich, W., see Carsughi, F. 191–194 (1992) 1284
Khorosh, A.G., see Akishin, A.I. 191–194 (1992) 1372
Khorunov, V.F., see Prokofiev, Yu.G. 191–194 (1992) 483
Kikuchi, T., see Noda, K. 191–194 (1992) 1367
Kimoto, T., C.W. Allen and L.E. Rehn, Growth rate of dislocation loop in Fe–Ni–Cr alloy under Kr^+ ion and electron irradiation 191–194 (1992) 1194
Kimura, A., L.A. Charlot, D.S. Gelles, D.R. Baer and R.H. Jones, Irradiation induced changes in the grain boundary chemistry of high-manganese low activation martensitic steels 191–194 (1992) 885
Kimura, A., M. Narui and H. Kayano, Effects of alloying elements on the post-irradiation microstructure of 9%Cr–2%W low activation martensitic steels 191–194 (1992) 879
Kino, T., see Furuno, S. 191–194 (1992) 1219
Kino, T., see Kamigaki, N. 191–194 (1992) 1214
Kino, T., see Ono, K. 191–194 (1992) 1209
Kino, T., see Ono, K. 191–194 (1992) 1269
Kinoshita, C., Radiation-induced microstructural change in ceramic materials 191–194 (1992) 67
Kinoshita, C., see Nakai, K. 191–194 (1992) 1189
Kinoshita, C., see Nakai, K. 191–194 (1992) 630
Kinoshita, H., N. Akasaka, H. Takahashi, I. Shibahara and S. Onose, Microstructural change on electron irradiated oxide dispersion strengthened ferritic steels 191–194 (1992) 874
Kinoshita, H., see Garner, F.A. 191–194 (1992) 948
Kinoshita, H., see Takahashi, H. 191–194 (1992) 1183
Kiritani, M., H. Kato, M. Hoshino, H. Matsui and N. Matsunami, Self-ion irradiation of fcc metals to elucidate primary recoil energy dependence of defect structure development during neutron irradiation 191–194 (1992) 1128
Kiritani, M., Influence of primary recoil energy spectrum on microstructural evolution 191–194 (1992) 125
Kiritani, M., see Kojima, S. 191–194 (1992) 1155
Kiritani, M., see Satoh, Y. 191–194 (1992) 1101
Kiritani, M., see Yoshida, N. 191–194 (1992) 1114
Kiritani, M., see Yoshiie, T. 191–194 (1992) 1088
Kiritani, M., see Yoshiie, T. 191–194 (1992) 1160
Kirsanov, V.V., M.V. Musina and V.V. Rybin, The influence of hydrogen on the formation of helium vacancy voids in metal 191–194 (1992) 1318
Kitajima, K., Modeling of microstructural evolution under cascade damage 191–194 (1992) 1166
Kitajima, M. and K. Nakamura, Initial damage in graphite under ion irradiation studied by real-time Raman measurement 191–194 (1992) 356
Kiuchi, T., see Ando, T. 191–194 (1992) 1423
Kiyose, R., see Tanaka, S. 191–194 (1992) 209
Klueh, R.L. and D.J. Alexander, Heat treatment effects on toughness of 9Cr–1MoVNb and 12Cr–1MoVW steels irradiated at 365°C 191–194 (1992) 896
Klueh, R.L., K. Ehrlich and F. Abe, Ferritic/martensitic steels: promises and problems 191–194 (1992) 116
Klueh, R.L., see Wang, C.A. 191–194 (1992) 831
Kodama, K., see Ando, T. 191–194 (1992) 1423
Kohno, Y., A. Kohyama and H. Kayano, Microstructural evolution of titanium modified austenitic stainless steel after FFTF irradiation 191–194 (1992) 742
Kohno, Y., D.S. Gelles, A. Kohyama, M. Tamura and A. Hishinuma, Irradiation response of a reduced activation Fe–8Cr–2W martensitic steel (F82H) after FFTF irradiation 191–194 (1992) 868
Kohno, Y., see Gelles, D.S. 191–194 (1992) 1336
Kohno, Y., see Katoh, Y. 191–194 (1992) 1144
Kohno, Y., see Katoh, Y. 191–194 (1992) 1204
Kohno, Y., see Kohyama, A. 191–194 (1992) 722
Kohno, Y., see Nakajima, H. 191–194 (1992) 952

Kohyama, A., M.L. Grossbeck and G. Piatti, The application of austenitic stainless steels in advanced fusion systems: . current limitations and future prospects 191–194 (1992) 37

Kohyama, A., S. Sato and K. Hamada, R&D of an automated tensile machine for heavily neutron irradiated materials 191–194 (1992) 1033

Kohyama, A., Y. Kohno, K. Baba, Y. Katoh and A. Hishinuma, Microstructural changes in welded joints of 316 SS by dual-ion irradiation 191–194 (1992) 722

Kohyama, A., see Igata, N. 191–194 (1992) 1323

Kohyama, A., see Katoh, Y. 191–194 (1992) 1144

Kohyama, A., see Katoh, Y. 191–194 (1992) 1204

Kohyama, A., see Kohno, Y. 191–194 (1992) 742

Kohyama, A., see Kohno, Y. 191–194 (1992) 868

Kohyama, A., see Sato, S. 191–194 (1992) 616

Kojima, S., T. Yoshiie, K. Hamada, K. Satori and M. Kiritani, Fluctuation effect of point defect reaction on nucleation of interstitial clusters during neutron irradiation 191–194 (1992) 1155

Kojima, S., see Yoshiie, T. 191–194 (1992) 1160

Kolbe, H., see Sample, T. 191–194 (1992) 960

Kolbe, H., see Sample, T. 191–194 (1992) 979

Kolotov, V.P., see Dyomina, E.V. 191–194 (1992) 1461

Komarov, V.L., see Burtseva, T.A. 191–194 (1992) 309

Kondo, T., D.G. Doran, K. Ehrlich and F.W. Wiffen, The status and prospects of high-energy neutron test facilities for fusion materials development 191–194 (1992) 100

Kondo, T., see Inazumi, T. 191–194 (1992) 1018

Kondo, T., see Kato, Y. 191–194 (1992) 1428

Kondo, T., see Noda, K. 191–194 (1992) 1367

Kondo, T., see Sugimoto, M. 191–194 (1992) 1432

Kondo, T., see Yamanouchi, N. 191–194 (1992) 822

Kopasz, J.P., C.A. Seils and C.E. Johnson, Tritium release from lithium aluminate: can it be improved? 191–194 (1992) 231

Kosachev, L.S., see Fabritsiev, S.A. 191–194 (1992) 426

Kosenkov, V.M., see Shamardin, V.K. 191–194 (1992) 706

Kovan, I.A., see Buzhinsky, O.I. 191–194 (1992) 1413

Krasilnikov, A.V., see Buzhinsky, O.I. 191–194 (1992) 1413

Kubo, N., see Ono, K. 191–194 (1992) 1269

Kumar, A.S., see Edwards, D.J. 191–194 (1992) 416

Kumar, A.S., see Garner, F.A. 191–194 (1992) 813

Kumar, A.S., see O'Hearn, T.B. 191–194 (1992) 1383

Kuramoto, E., Computer simulation of fundamental features of a bias factor 191–194 (1992) 1279

Kuramoto, E., see Tanabe, T. 191–194 (1992) 330

Kurasawa, T., see Sagawa, H. 191–194 (1992) 1379

Kurasawa, T., see Slagle, O.D. 191–194 (1992) 214

Kurihara, Y., see Nakajima, H. 191–194 (1992) 1046

Kurita, K., see Tanaka, S. 191–194 (1992) 209

Kuroda, T., see Mattas, R.F. 191–194 (1992) 139

Kurolenkin, E.I., see Chernikov, V.N. 191–194 (1992) 320

Kurolenkin, E.N., see Barsuk, V.A. 191–194 (1992) 1417

Kushita, K.N., K. Hojou and S. Furuno, Radiation damage of graphite due to hydrogen-ion bombardment at very low temperature 191–194 (1992) 351

Kushita, K.N., K. Hojou, S. Furuno and H. Otsu, In situ EELS observation of diamond during hydrogen-ion bombardment 191–194 (1992) 346

Kushita, K.N., see Hojou, K. 191–194 (1992) 583

Kutsuna, M., see Hosoi, Y. 191–194 (1992) 686

Lakhsasi, A., see Saint-Jacques, R.G. 191–194 (1992) 465

Lazorenko, V.M., see Ivanov, L.I. 191–194 (1992) 1075

Lazorenko, V.M., see Ivanov, L.I. 191–194 (1992) 733

Lazorenko, V.M., see Ivanov, L.I. 191–194 (1992) 928

Lee, C.K., B.A. Chin, S. Zinkle and R.C. Wilcox, Brazing of copper–alumina alloys 191–194 (1992) 488

Lee, E.H., see Rao, G.R. 191–194 (1992) 748

Lee, R.D., see Kai, J.-J. 191–194 (1992) 717

Lefevre, F., see Thevenot, G. 191–194 (1992) 226

Leroy, P., see Proust, E. 191–194 (1992) 186

Li, L.W., see Chen, K.Q. 191–194 (1992) 737

Li, P.Y., see Qian, J.P. 191–194 (1992) 340

Li, X., see Yu, J. 191–194 (1992) 728

Li, X., see Yu, J. 191–194 (1992) 818

Li, Y., see Shan, C. 191–194 (1992) 221

Lin, H.T., see Wang, C.A. 191–194 (1992) 696

Lindau, R. and A. Möslang, Behavior in fatigue-relaxation of a creep resistant 12% Cr steel after helium implantation 191–194 (1992) 915

Lindau, R., A. Möslang and R.-D. Penzhorn, Mechanical and microstructural properties of tritium permeable PdAg alloy after helium implantation 191–194 (1992) 178

Little, E.A., see Faulkner, R.G. 191–194 (1992) 858

Little, E.A., see Shakib, J.I. 191–194 (1992) 1404

Liu, W., see Schroeder, H. 191–194 (1992) 776

Liu, X., see Qian, J.P. 191–194 (1992) 340

Liu, X.Z., see Deng, B.Q. 191–194 (1992) 653

Loomis, B.A. and D.L. Smith, Vanadium alloys for structural applications in fusion systems: a review of vanadium alloy mechanical and physical properties 191–194 (1992) 84

Loomis, B.A., see Garner, F.A. 191–194 (1992) 948

Loomis, B.A., see Peterson, D.T. 191–194 (1992) 430

Lu, L.P., see Qian, J.P. 191–194 (1992) 1229

Lu, Z., see Deng, B.Q. 191–194 (1992) 653

Lucas, G., see Enmark, M. 191–194 (1992) 1038

Lucas, G.E., see Odette, G.R. 191–194 (1992) 827

Lucas, G.E., see Odette, G.R. 191–194 (1992) 50

Luzganov, S.N., see Buzhinsky, O.I. 191–194 (1992) 1413

Lyublinski, I.E., see Evtikhin, V.A. 191–194 (1992) 924

Macaulay-Newcombe, R.G., D.A. Thompson and W.W. Smeltzer, Thermal absorption and desorp-

tion of deuterium in beryllium and beryllium oxide 191–194 (1992) 263
Madarame, H., see Bolt, H. 191–194 (1992) 300
Magerya, Yu.G., see Zvezdin, Yu.I. 191–194 (1992) 855
Magnoli, L., see Franconi, E. 191–194 (1992) 493
Maksimova, S.V., see Prokofiev, Yu.G. 191–194 (1992) 483
Mametiev, R.U., see Barsuk, V.A. 191–194 (1992) 1417
Manichev, V.M., see Borodin, V.A. 191–194 (1992) 1305
Mansur, L.K., see Rao, G.R. 191–194 (1992) 748
Mao, O., see Deng, B.Q. 191–194 (1992) 653
Marmy, P. and M. Victoria, The tensile and fatigue properties of DIN 1.4914 martensitic stainless steel after 590 MeV proton irradiation 191–194 (1992) 862
Marmy, P., see Gavillet, D. 191–194 (1992) 890
Marques, F.D.S., see Piatti, G. 191–194 (1992) 662
Martin, G., see Boulanger, L. 191–194 (1992) 473
Matsui, H., M. Tanaka, M. Yamamoto and M. Tada, Embrittlement of vanadium alloys doped with helium 191–194 (1992) 919
Matsui, H., see Gelles, D.S. 191–194 (1992) 1336
Matsui, H., see Kiritani, M. 191–194 (1992) 1128
Matsui, H., see Nakajima, H. 191–194 (1992) 952
Matsui, H., see Noda, K. 191–194 (1992) 248
Matsui, H., see Satou, M. 191–194 (1992) 938
Matsunami, N., see Kiritani, M. 191–194 (1992) 1128
Matsuo, H., see Noda, K. 191–194 (1992) 1367
Matsuyama, M., see Ishitsuka, E. 191–194 (1992) 183
Mattas, R.F., D.L. Smith, C.H. Wu, T. Kuroda and G. Shatalov, Materials issues in the design of the ITER first wall, blanket, and divertor 191–194 (1992) 139
Mattas, R.F., see Clinard, Jr., F.W. 191–194 (1992) 1399
Maziasz, P.J., Temperature dependence of the dislocation microstructure of PCA austenitic stainless steel irradiated in ORR spectrally-tailored experiments 191–194 (1992) 701
Maziasz, P.J., see Grossbeck, M.L. 191–194 (1992) 808
Maziasz, P.J., see Inazumi, T. 191–194 (1992) 1018
Maziasz, P.J., see Jitsukawa, S. 191–194 (1992) 771
Maziasz, P.J., see Sawai, T. 191–194 (1992) 712
Maziasz, P.J., see Suzuki, M. 191–194 (1992) 1351
Mazul, I.V., see Burtseva, T.A. 191–194 (1992) 309
McDonald, J.M., see Gahl, J.M. 191–194 (1992) 454
Medley, S.S., see Clinard, Jr., F.W. 191–194 (1992) 1399
Mercurio, G., see Albertini, G. 191–194 (1992) 1327
Merrill, B.J., see Smolik, G.R. 191–194 (1992) 153
Miles, J.H. and G.J. Butterworth, Management options for used lithium ceramic breeder materials 191–194 (1992) 199
Milička, K., see Ivanov, L.I. 191–194 (1992) 681
Mirnov, C.V., see Buzhinsky, O.I. 191–194 (1992) 1413
Misawa, T., see Suzuki, M. 191–194 (1992) 1023
Mitrofansky, A.A., see Burtseva, T.A. 191–194 (1992) 309
Miyahara, K., A. Itoh, Y. Sakamoto, H. Kayano and Y. Hosoi, Mechanical properties and fracture behavior of α particle irradiated type 316 stainless steel at high temperature 191–194 (1992) 786
Miyahara, K., F.A. Garner and Y. Hosoi, Microstructures of neutron-irradiated Fe–12Cr–*X*Mn (*X* = 15–30) ternary alloys 191–194 (1992) 1198
Miyahara, K., see Hosoi, Y. 191–194 (1992) 686
Miyamoto, Y., see Inoue, H. 191–194 (1992) 1342
Miyazaki, H., see Iseki, T. 191–194 (1992) 588
Miyazaki, H., see Yano, T. 191–194 (1992) 635
Mizuno, K., see Ono, K. 191–194 (1992) 1209
Mizuno, K., see Ono, K. 191–194 (1992) 1269
Mizuno, N., see Kawabe, T. 191–194 (1992) 1387
Mollá, J., see Ibarra, A. 191–194 (1992) 530
Montanari, R., see Gondi, P. 191–194 (1992) 1274
Moreau, C., see Saint-Jacques, R.G. 191–194 (1992) 465
Morgan, T.S., see Faulkner, R.G. 191–194 (1992) 858
Mori, M., see Yamamoto, S. 191–194 (1992) 759
Mori, S., Prospects and strategy for the development of fusion reactors 191–194 (1992) 3
Morishita, K., N. Sekimura, T. Toyonaga and S. Ishino, Thermodynamical evaluation of cascade damage evolution by molecular dynamics calculation 191–194 (1992) 1123
Moritani, K., see Asaoka, Y. 191–194 (1992) 268
Moriyama, H., K. Iwasaki and Y. Ito, Transport of tritium in liquid lithium 191–194 (1992) 190
Moriyama, H., see Asaoka, Y. 191–194 (1992) 268
Möslang, A., see Bae, K.K. 191–194 (1992) 905
Möslang, A., see Lindau, R. 191–194 (1992) 178
Möslang, A., see Lindau, R. 191–194 (1992) 915
Mukouda, I., see Yamakawa, K. 191–194 (1992) 396
Muroga, T. and N. Yoshida, The influence of isotopically controlled boron addition on void swelling of nickel irradiated in FFTF 191–194 (1992) 1254
Muroga, T., H.L. Heinisch, W.F. Sommer and P.D. Ferguson, A comparison of microstructures in copper irradiated with fission, fusion and spallation neutrons 191–194 (1992) 1150
Muroga, T., K. Dohi, Y. Ishihama, K. Tokunaga and N. Yoshida, Cavity formation and growth during pulse high heat loading in nickel implanted with helium or deuterium ions 191–194 (1992) 1248
Muroga, T., see Inoue, H. 191–194 (1992) 1342
Muroga, T., see Tokunaga, K. 191–194 (1992) 449
Muroga, T., see Yoshida, N. 191–194 (1992) 1114
Muroo, Y., see Nakai, K. 191–194 (1992) 1189
Murphy, D. and G.J. Butterworth, Production of high-purity vanadium, chromium and titanium for use in low activation materials 191–194 (1992) 1444
Murphy, M.J., see Pells, G.P. 191–194 (1992) 621
Musina, M.V., see Kirsanov, V.V. 191–194 (1992) 1318

Naberenkov, A.N., see Barabash, V.R. 191–194 (1992) 411
Nabeya, H., see Sagawa, H. 191–194 (1992) 1379
Nagarajan, S., H.C. Wikle III and B.A. Chin, On-line weld position control for fusion reactor welding 191–194 (1992) 1060
Nagasaki, T., R. Yamada and H. Ohno, Recombination coefficients of deuterium on metal surfaces evaluated from ion-driven permeation 191–194 (1992) 258
Nakai, K., C. Kinoshita and Y. Muroo, A study of sink strength of dislocations through kinetics of loop formation under electron irradiation 191–194 (1992) 1189
Nakai, K., K.-i. Fukumoto and C. Kinoshita, Characteristics of the loop formation process in the MgO–Al_2O_3 system irradiated with fission neutrons 191–194 (1992) 630
Nakajima, H., N. Yokoyama, S. Nomura, F. Ueno, M. Fujita, Y. Kurihara and S. Iwata, System design of pilot data-free-way (Distributed database for advanced nuclear materials) 191–194 (1992) 1046
Nakajima, H., S. Yoshida, Y. Kohno and H. Matsui, Effect of solute addition on swelling of vanadium after FFTF irradiation 191–194 (1992) 952
Nakamura, K., see Akiba, M. 191–194 (1992) 373
Nakamura, K., see Kitajima, M. 191–194 (1992) 356
Nakata, K., see Kasahara, S. 191–194 (1992) 579
Nakata, K., see Katano, Y. 191–194 (1992) 598
Nakazawa, S., see Abe, F. 191–194 (1992) 668
Nakazawa, T., see Noda, K. 191–194 (1992) 248
Nanai, I., see Ando, T. 191–194 (1992) 1423
Narui, M., T. Shikama, Y. Endo, T. Sagawa and H. Kayano, Development of irradiation small capsule for in-reactor measurement of electrical properties of fusion reactor materials 191–194 (1992) 592
Narui, M., see Abe, F. 191–194 (1992) 845
Narui, M., see Fukuya, K. 191–194 (1992) 1007
Narui, M., see Kimura, A. 191–194 (1992) 879
Narui, M., see Shikama, T. 191–194 (1992) 544
Narui, M., see Shikama, T. 191–194 (1992) 575
Naruse, Y., see Hayashi, T. 191–194 (1992) 1065
Nekrashevitch, Ju.G., Sh.U. Nizametdinov, A.V. Polkovnikov, V.P. Rumjantzev, O.N. Surina, G.M. Kalinin, A.V. Sidorenkov and Ju.S. Strebkov, Information and computer-aided system for structural materials 191–194 (1992) 1042
Nesterova, E.V., V.V. Rybin, S.A. Fabritsiev and V.R. Barabash, Effects of neutron irradiation on structural stability and mechanical properties of copper alloys for ITER divertor 191–194 (1992) 407
Nesterova, E.V., see Barabash, V.R. 191–194 (1992) 411
Neumoin, V.E., see Barsuk, V.A. 191–194 (1992) 1417
Neustroyev, V.S., see Shamardin, V.K. 191–194 (1992) 706
Newkirk, J.W., see Garner, F.A. 191–194 (1992) 386
Newkirk, J.W., see Sekimura, N. 191–194 (1992) 1244
Ninomiya, S., see Ando, T. 191–194 (1992) 1423
Nishikawa, M., see Hoshiya, T. 191–194 (1992) 1070
Nishiyama, Y., see Suzuki, M. 191–194 (1992) 1023
Niwase, K., T. Tanabe and I. Tanaka, Annealing experiment of ion-irradiated graphite by laser Raman spectroscopy 191–194 (1992) 335
Niwase, K., see Tanabe, T. 191–194 (1992) 330
Nizametdinov, Sh.U., see Nekrashevitch, Ju.G. 191–194 (1992) 1042
Noda, K., M. Sugimoto, Y. Kato, H. Matsuo, K. Watanabe, T. Kikuchi, H. Usui, Y. Oyama, H. Ohno and T. Kondo, Capability of energy selective neutron irradiation test facility (ESNIT) for fusion reactor materials testing and the status of ESNIT program 191–194 (1992) 1367
Noda, K., Y. Ishii, T. Nakazawa, H. Matsui, N. Igawa, D. Vollath, H. Ohno and H. Watanabe, Radiation damage in pure and Al-doped Li_4SiO_4 191–194 (1992) 248
Noda, K., see Roux, N. 191–194 (1992) 15
Noda, K., see Sugimoto, M. 191–194 (1992) 1432
Noda, T., H. Araki, F. Abe and M. Okada, Microstructure and mechanical properties of CVI carbon fiber/SiC composites 191–194 (1992) 539
Noda, T., see Abe, F. 191–194 (1992) 668
Noda, T., see Abe, F. 191–194 (1992) 845
Noda, T., see Shikama, T. 191–194 (1992) 611
Nomura, S., see Nakajima, H. 191–194 (1992) 1046
Ochiai, A., see Shikama, T. 191–194 (1992) 544
Odette, G.R. and G.E. Lucas, Deformation and fracture in irradiated austenitic stainless steels 191–194 (1992) 50
Odette, G.R., B.L. Chao and G.E. Lucas, On size and geometry effects on the brittle fracture of ferritic and tempered martensitic steels 191–194 (1992) 827
Odette, G.R., see Enmark, M. 191–194 (1992) 1038
Odintsov, N.B., see Kalinin, G.M. 191–194 (1992) 1363
Odintsov, N.B., see Rybin, V.V. 191–194 (1992) 795
Ogawa, H., see Ono, K. 191–194 (1992) 1209
Ogawa, K., see Fujii, K. 191–194 (1992) 901
O'Hearn, T.B., A.S. Kumar and L.R. Greenwood, Comparison of measured and calculated transmutation in copper at spallation neutron sources 191–194 (1992) 1383

Ohno, H., N. Igawa, Y. Ishii, N. Umesaki and M. Tokita, Fabrication and physical properties of AlF_3–BeF_2 based fluoride glasses for IR transmission 191–194 (1992) 525
Ohno, H., see Kasahara, S. 191–194 (1992) 579
Ohno, H., see Katano, Y. 191–194 (1992) 598
Ohno, H., see Nagasaki, T. 191–194 (1992) 258
Ohno, H., see Noda, K. 191–194 (1992) 1367
Ohno, H., see Noda, K. 191–194 (1992) 248
Ohno, H., see Pells, G.P. 191–194 (1992) 535
Ohno, H., see Sugimoto, M. 191–194 (1992) 1432
Ohnuki, S., Y. Hidaka, H. Takahashi and A. Hishinuma, Effect of helium on defect cluster formation in modified 316 stainless steel irradiated by electron/ion dual beams 191–194 (1992) 1134
Ohnuki, S., see Garner, F.A. 191–194 (1992) 948
Ohnuki, S., see Gelles, D.S. 191–194 (1992) 1336
Ohnuki, S., see Takahashi, H. 191–194 (1992) 1183
Okada, A., S. Igarashi and Y. Kakazu, Development of a tensile test system for irradiated specimens by robot operation 191–194 (1992) 1028
Okada, M., see Noda, T. 191–194 (1992) 539
Okuno, K., see Hayashi, T. 191–194 (1992) 1065
Oliver, B.M., see Greenwood, L.R. 191–194 (1992) 1051
Ono, A., see Tanabe, T. 191–194 (1992) 382
Ono, K., H. Ogawa, S. Furuno, T. Kino, N. Kamigaki, K. Hojou, Shibatani, Y. Kageyama, K. Mizuno and K. Ito, Formation of interstitial loops on transmutation products in aluminum 191–194 (1992) 1209
Ono, K., S. Furuno, K. Hojou, T. Kino, K. Izui, O. Takaoka, N. Kubo, K. Mizuno and K. Ito, In-situ observation of the migration and growth of helium bubbles in aluminum 191–194 (1992) 1269
Ono, K., see Furuno, S. 191–194 (1992) 1219
Ono, K., see Kamigaki, N. 191–194 (1992) 1214
Onose, S., see Kinoshita, H. 191–194 (1992) 874
Opimach, I.V., see Barsuk, V.A. 191–194 (1992) 1417
Orecchia, L., see Sample, T. 191–194 (1992) 960
Orecchia, L., see Sample, T. 191–194 (1992) 979
Oschinski, J., see Feuerstein, H. 191–194 (1992) 288
Oshima, R., see Ezawa, T. 191–194 (1992) 1346
Ostrovsky, Z.E., see Shamardin, V.K. 191–194 (1992) 706
Otsu, H., see Hojou, K. 191–194 (1992) 583
Otsu, H., see Kushita, K.N. 191–194 (1992) 346
Oyama, Y., see Noda, K. 191–194 (1992) 1367

Pankratov, V.Yu., see Evtikhin, V.A. 191–194 (1992) 924
Paulus, M., H. Schroeder and J. Deutz, The interaction of fatigue and creep in weldments of AISI 316L austenitic steel after helium implantation 191–194 (1992) 798
Pease, R.S., Global energy scenarios and the potential role of fusion energy in the 21st century 191–194 (1992) 7
Pecherin, U.M., see Zvezdin, Yu.I. 191–194 (1992) 855
Pells, G.P. and M.J. Murphy, Radiation-induced swelling of polycrystalline alumina over the temperature range 200–890 K 191–194 (1992) 621
Pells, G.P., R. Heidinger, A. Ibarra-Sanchez, H. Ohno and R.H. Goulding, An intercomparison of techniques for measuring dielectric permittivity and loss over a wide frequency range 191–194 (1992) 535
Pells, G.P., see Yamada, R. 191–194 (1992) 640
Pelzl, J., see Bein, B.K. 191–194 (1992) 315
Peng, L.L., see Deng, B.Q. 191–194 (1992) 653
Penzhorn, R.-D., H.R. Ihle, S. Huber, P. Schuster and H.J. Ache, Mass spectrometric study on the formation of LiOD (g) by reaction of Li_4SiO_4 (cr) with D_2O (g) or D_2 (g) 191–194 (1992) 173
Penzhorn, R.-D., see Lindau, R. 191–194 (1992) 178
Pérez, A.S., see Sanz, J. 191–194 (1992) 1450
Perlado, J.M., see Sanz, J. 191–194 (1992) 1450
Persin, M.I., see Burtseva, T.A. 191–194 (1992) 309
Petersen, C., see Alvarez-Armas, I. 191–194 (1992) 841
Petersen, C., see Armas, A.F. 191–194 (1992) 672
Peterson, D.T., A.B. Hull and B.A. Loomis, Hydrogen embrittlement considerations in niobium-base alloys for application in the ITER divertor 191–194 (1992) 430
Petrov, A.A., see Buzhinsky, O.I. 191–194 (1992) 1413
Petrov, V.G., see Buzhinsky, O.I. 191–194 (1992) 1413
Phythian, W.J., see Diaz de la Rubia, T. 191–194 (1992) 108
Piatti, G., D. Boerman and F.D.S. Marques, Microstructural and mechanical characterization of new low-activation Cr–Mn austenitic steels 191–194 (1992) 662
Piatti, G., see Kohyama, A. 191–194 (1992) 37
Pimenov, V.N., see Ivanov, L.I. 191–194 (1992) 1392
Platov, J.M., see Ivanov, L.I. 191–194 (1992) 1392
Platov, Yu.M., see Dyomina, E.V. 191–194 (1992) 1461
Platov, Yu.M., see Ivanov, L.I. 191–194 (1992) 1075
Platov, Yu.M., see Ivanov, L.I. 191–194 (1992) 733
Platov, Yu.M., see Ivanov, L.I. 191–194 (1992) 928
Pokrovskii, A.S., see Gorynin, I.V. 191–194 (1992) 401
Pokrovsky, A.S., see Fabritsiev, S.A. 191–194 (1992) 426
Polkovnikov, A.V., see Nekrashevitch, Ju.G. 191–194 (1992) 1042
Polosuhin, B.G., E.P. Baskakov, E.M. Sulimov, A.P. Zyryanov, Y.S. Shestakov, G.M. Kalinin, Y.S. Strebkov and A.G. Dobrynskih, Hydrogen isotope permeability through austenitic steels 18Cr–10Ni–Ti and 16Cr–11Ni–3Mo–Ti during reactor irradiation 191–194 (1992) 219
Portnov, D.V., see Buzhinsky, O.I. 191–194 (1992) 1413
Potapova, V.A., see Fabritsiev, S.A. 191–194 (1992) 426
Prebble, H.E., C.B.A. Forty and G.J.

Butterworth, Potential collector surface materials for divertors 191–194 (1992) 391
Prokofiev, Yu.G., V.R. Barabash, V.F. Khorunov, S.V. Maksimova, A.A. Gervash, S.A. Fabritsiev and V.F. Vinokurov, Some problems of brazing technology for the divertor plate manufacturing 191–194 (1992) 483
Prokofiev, Yu.G., see Burtseva, T.A. 191–194 (1992) 309
Prokofiyev, Y.G., see Gorynin, I.V. 191–194 (1992) 401
Prokofyev, Y.G., see Gorynin, I.V. 191–194 (1992) 421
Proust, E., P. Leroy and H.W. Franenberg, Preliminary interpretation of the LIBRETTO-2 experimental results in terms of tritium permeation barrier efficiency 191–194 (1992) 186
Pulinets, T.S., see Buzhinsky, O.I. 191–194 (1992) 1413

Qian, J.P., L.P. Lu, J.M. Chen, J.G. Sun and Z.Y. Zhao, The influence of temperature on swelling behavior in electron irradiated austenitic stainless steels 191–194 (1992) 1229
Qian, J.P., X. Liu, P.Y. Li and Z. Guo, Thermal shock of carbon based materials and coatings under high heat flux 191–194 (1992) 340
Quan, J.M., see Chen, K.Q. 191–194 (1992) 737

Rao, G.R., E.H. Lee, L.A. Boatner, B.A. Chin and L.K. Mansur, Multiple ion implantation effects on hardness and fatigue properties of Fe–13Cr–15Ni alloys 191–194 (1992) 748
Rasneur, B., G. Thevenot and Y. Bouilloux, Irradiation behavior of $LiAlO_2$ and Li_2ZrO_3 ceramics in the ALICE 3 experiment 191–194 (1992) 243
Rehn, L.E., see Kimoto, T. 191–194 (1992) 1194
Rigon, G. and F. Brossa, Electron beam disruption simulation on coated materials 191–194 (1992) 460
Robbins, J.M., see Burchell, T.D. 191–194 (1992) 295
Rocco, P., H.W. Scholz and M. Zucchetti, Silicon carbide and the new low activation requirements for a fusion reactor first wall 191–194 (1992) 1474
Roche, M., see Thevenot, G. 191–194 (1992) 226
Romannikov, A.N., see Buzhinsky, O.I. 191–194 (1992) 1413
Rossi, F., see Doan, N.V. 191–194 (1992) 1106
Roth, J., C. Garcia-Rosales, R. Behrisch and W. Eckstein, Search for low-erosion carbon materials 191–194 (1992) 45
Roux, N., C. Johnson and K. Noda, Properties and performance of tritium breeding ceramics 191–194 (1992) 15
Roux, N., J.J. Abassin, M. Briec, D. Cruz, T. Flament and I. Schuster, Compatibility behavior of beryllium with $LiAlO_2$ and Li_2ZrO_3 ceramics, with 316 L and 1.4914 steels in SIBELIUS 191–194 (1992) 168
Rowcliffe, A.F., see Grossbeck, M.L. 191–194 (1992) 808
Rowcliffe, A.F., see Suzuki, M. 191–194 (1992) 1056
Rumjantzev, V.P., see Nekrashevitch, Ju.G. 191–194 (1992) 1042
Rustichelli, F., see Albertini, G. 191–194 (1992) 1327
Ryazanov, A.I., see Borodin, V.A. 191–194 (1992) 1305
Rybakov, S.Y., see Buzhinsky, O.I. 191–194 (1992) 1413
Rybin, V.V. and D.L. Smith, Structural materials for high-heat flux applications 191–194 (1992) 30
Rybin, V.V., V.F. Vinokurov, N.B. Odintsov, L.A. Belyaeva and L.G. Fedosova, Cyclic endurance and thermocyclic damage of 0.04C–16Cr–11Ni–3Mo–0.05Ti steel unirradiated and neutron irradiated steel 191–194 (1992) 795
Rybin, V.V., see Barabash, V.R. 191–194 (1992) 411
Rybin, V.V., see Fabritsiev, S.A. 191–194 (1992) 426
Rybin, V.V., see Gorynin, I.V. 191–194 (1992) 401
Rybin, V.V., see Gorynin, I.V. 191–194 (1992) 421
Rybin, V.V., see Kalinin, G.M. 191–194 (1992) 1363
Rybin, V.V., see Kirsanov, V.V. 191–194 (1992) 1318
Rybin, V.V., see Nesterova, E.V. 191–194 (1992) 407

Sagawa, H., H. Kawamura, S. Shimakawa, H. Nabeya, M. Abe, T. Kurasawa, H. Yoshida, Y. Ichihashi, I. Tanaka and Y. Futamura, Conceptual design of irradiation test facility for fusion blanket development 191–194 (1992) 1379
Sagawa, H., see Kawabe, T. 191–194 (1992) 1387
Sagawa, T., see Narui, M. 191–194 (1992) 592
Sagawa, T., see Shikama, T. 191–194 (1992) 575
Saint-Jacques, R.G., F. Bordeaux, B. Stansfield, G. Veilleux, W.W. Zuzak, A. Lakhsasi, C. Boucher and C. Moreau, Enhanced resistance of plasma-sprayed TiC coatings to thermal shocks 191–194 (1992) 465
Saito, M., see Suzuki, M. 191–194 (1992) 1023
Sakamoto, N., H. Kawamura, E. Ishitsuka and Y. Ichihashi, Compatibility test of Be with Li_2O (1) – diffusion couple test 191–194 (1992) 158
Sakamoto, Y., see Miyahara, K. 191–194 (1992) 786
Sample, T., V. Coen, H. Kolbe and L. Orecchia, Selective surface preoxidation to inhibit the corrosion of AISI type 316L stainless steel by liquid Pb–17Li 191–194 (1992) 979
Sample, T., V. Coen, H. Kolbe and L. Orecchia, The effects of hydrogen and Pb–17Li on the tensile properties of 1.4914 martensitic steel 191–194 (1992) 960
Sample, T., see Hubberstey, P. 191–194 (1992) 277
Sample, T., see Hubberstey, P. 191–194 (1992) 283
Sannier, J., T. Dufrenoy, T. Flament and A. Terlain, Comparison of

austenitic and martensitic steels behaviour in semi-stagnant Pb17Li 191–194 (1992) 975
Sannier, J., see Flament, T. 191–194 (1992) 163
Sannier, J., see Terlain, A. 191–194 (1992) 984
Sanz, J., J.M. Perlado, A.S. Pérez and D. Guerra, Low activation structural materials for ICF reactors: differences with MCF environments 191–194 (1992) 1450
Sapp, J.W., see Bowers, D.A. 191–194 (1992) 305
Sato, S., K. Hamada and A. Kohyama, Effect of neutron irradiation on fracture toughness of metal matrix composites 191–194 (1992) 616
Sato, S., see Kohyama, A. 191–194 (1992) 1033
Satoh, M., see Yamawaki, M. 191–194 (1992) 326
Satoh, Y., T. Yoshiie and M. Kiritani, Binary collision calculation of subcascade structure and its correspondence to observed subcascade defects in 14 MeV neutron irradiated copper 191–194 (1992) 1101
Satoh, Y., see Yoshiie, T. 191–194 (1992) 1160
Satori, K., see Kojima, S. 191–194 (1992) 1155
Satou, M., K. Abe and H. Matsui, Neutron irradiation damage of helium-charged V–Ti–Cr–Si-type alloys 191–194 (1992) 938
Satou, M., K. Abe, H. Kayano and H. Takahashi, Low swelling behavior of V–Ti–Cr–Si-type alloys 191–194 (1992) 956
Sattler, P., see Schreinlechner, I. 191–194 (1992) 970
Sawai, T., P.J. Maziasz, H. Kanazawa and A. Hishinuma, Microstructural evolution of austenitic stainless steels irradiated in spectrally tailored experiment in ORR at 400°C 191–194 (1992) 712
Schiller, P., see Brossa, F. 191–194 (1992) 469
Schmitz, W., see Shakib, J.I. 191–194 (1992) 1404
Scholz, H.W., see Rocco, P. 191–194 (1992) 1474
Schreinlechner, I. and P. Sattler, Behaviour of SS316, with and without aluminization, in stagnant Pb–17Li 191–194 (1992) 970
Schroeder, H. and W. Liu, Dependence of the tensile properties of 316 L parent material and welds on implanted hydrogen and/or helium 191–194 (1992) 776
Schroeder, H. and Y. Dai, Helium concentration dependence of embrittlement effects in DIN 1.4970, 13% cw austenitic stainless steel at 873 K 191–194 (1992) 781
Schroeder, H., see Carsughi, F. 191–194 (1992) 1284
Schroeder, H., see Dai, Y. 191–194 (1992) 754
Schroeder, H., see Paulus, M. 191–194 (1992) 798
Schumacher, G., N. Wanderka, R.P. Wahi and H. Wollenberger, Stability of phases in joints brazed with Ni–P (BNi6) and Ni–Cr–P (BNi7) alloys under 300 keV Ni^+ ion irradiation 191–194 (1992) 478
Schuster, I., see Roux, N. 191–194 (1992) 168
Schuster, P., see Penzhorn, R.-D. 191–194 (1992) 173
Schwahn, D., see Albertini, G. 191–194 (1992) 1327
Schwahn, D., see Carsughi, F. 191–194 (1992) 1284
Seils, C.A., see Kopasz, J.P. 191–194 (1992) 231
Sekimura, N., F.A. Garner and J.W. Newkirk, Silicon's role in determining swelling in neutron-irradiated Fe–Ni–Cr–Si alloys 191–194 (1992) 1244
Sekimura, N., F.A. Garner and R.D. Griffin, The effect of helium on microstructural evolution and mechanical properties of austenitic steels as determined by spectral tailoring experiments 191–194 (1992) 1234
Sekimura, N., see Kanzaki, Y. 191–194 (1992) 1119
Sekimura, N., see Morishita, K. 191–194 (1992) 1123
Sekimura, N., see Yamamoto, S. 191–194 (1992) 759
Serruys, Y., see Boulanger, L. 191–194 (1992) 473
Shakib, J.I., H. Ullmaier, E.A. Little, W. Schmitz, R.G. Faulkner and T.E. Chung, Fatigue life assessment of 316L stainless steel and DIN-1.4914 martensitic steel before and after TEXTOR exposure 191–194 (1992) 1404
Shamardin, V.K., T.M. Bulanova, V.S. Neustroyev, Z.E. Ostrovsky, V.M. Kosenkov, L.I. Ivanov and E.V. Djomina, Study of Fe–12Cr–20Mn–W–C austenitic steels irradiated in the SM-2 reactor 191–194 (1992) 706
Shamardin, V.K., see Kalinin, G.M. 191–194 (1992) 1363
Shamardin, V.K., see Zvezdin, Yu.I. 191–194 (1992) 855
Shan, C., A. Wu, Y. Li, Z. Zhao, Q. Chen, Q. Huang and S. Shi, The behaviour of diffusion and permeation of tritium through 316L stainless steel with coating of TiC and TiN + TiC 191–194 (1992) 221
Sharapov, V.M., A.I. Kanaev, A.P. Zakharov and A.E. Gorodetsky, Plasma deposited boronized carbon films 191–194 (1992) 508
Sharapov, V.M., see Buzhinsky, O.I. 191–194 (1992) 1413
Sharapov, V.M., see Chernikov, V.N. 191–194 (1992) 320
Sharupin, V.N., see Barsuk, V.A. 191–194 (1992) 1417
Shatalov, G., see Mattas, R.F. 191–194 (1992) 139
Shenkova, I.A., see Zvezdin, Yu.I. 191–194 (1992) 855
Shestakov, Yu.S., see Polosuhin, B.G. 191–194 (1992) 219
Shi, S., see Shan, C. 191–194 (1992) 221
Shi, Y., see Yu, J. 191–194 (1992) 728
Shi, Y., see Yu, J. 191–194 (1992) 818
Shibahara, I., see Kinoshita, H. 191–194 (1992) 874
Shibatani, see Ono, K. 191–194 (1992) 1209
Shikama, T., M. Fujitsuka, H. Araki, T. Noda, T. Tanabe and H. Shinno, Irradiation behavior of carbon–boron compounds and silicon carbide composites developed as fusion reactor materials 191–194 (1992) 611

Shikama, T., M. Narui, Y. Endo, A. Ochiai and H. Kayano, Study of radiation induced conductivity by ac-method in a fission reactor 191–194 (1992) 544

Shikama, T., M. Narui, Y. Endo, T. Sagawa and H. Kayano, Radiation induced conductivity of ceramic insulators measured in a fission reactor 191–194 (1992) 575

Shikama, T., see Atsumi, H. 191–194 (1992) 368

Shikama, T., see Garner, F.A. 191–194 (1992) 386

Shikama, T., see Narui, M. 191–194 (1992) 592

Shikama, T., see Tanabe, T. 191–194 (1992) 382

Shima, S., see Fukuya, K. 191–194 (1992) 1007

Shimakawa, S., see Hoshiya, T. 191–194 (1992) 1070

Shimakawa, S., see Sagawa, H. 191–194 (1992) 1379

Shimanuki, S., see Kasahara, S. 191–194 (1992) 579

Shimizu, H., see Gotoh, Y. 191–194 (1992) 360

Shimoide, Y., see Hosoi, Y. 191–194 (1992) 686

Shimomura, Y., see Yamakawa, K. 191–194 (1992) 396

Shin, K., see Takagi, I. 191–194 (1992) 1313

Shinno, H., see Shikama, T. 191–194 (1992) 611

Shinno, H., see Tanabe, T. 191–194 (1992) 382

Shiraishi, H., see Hasegawa, A. 191–194 (1992) 910

Shushlebin, V.V., see Kalinin, G.M. 191–194 (1992) 1363

Sidorenkov, A.V., see Kalinin, G.M. 191–194 (1992) 1363

Sidorenkov, A.V., see Nekrashevitch, Ju.G. 191–194 (1992) 1042

Simonen, E.P., R.H. Jones and S.M. Bruemmer, Radiation effects on grain boundary chemistry relevant to stress corrosion cracking of stainless steels 191–194 (1992) 1002

Singh, B.N. and A.J.E. Foreman, Helium diffusion and bubble nucleation in the dislocation core during irradiation 191–194 (1992) 1265

Singh, B.N., A. Horsewell, D.S. Gelles and F.A. Garner, Void swelling in copper and copper alloys irradiated with fission neutrons 191–194 (1992) 1172

Singh, B.N., A. Horsewell, M. Eldrup and F.A. Garner, Fission neutron irradiation of copper containing implanted and transmutation produced helium 191–194 (1992) 1259

Singh, B.N., see Heinisch, H.L. 191–194 (1992) 1083

Singh, B.N., see Woo, C.H. 191–194 (1992) 1224

Skvortsova, A.A., see Buzhinsky, O.I. 191–194 (1992) 1413

Slagle, O.D., T. Kurasawa, R.A. Verrall and G.W. Hollenberg, In situ tritium recovery from Li_2O irradiated in fast neutron flux – BEATRIX-II temperature change specimen 191–194 (1992) 214

Smeltzer, W.W., see Macaulay-Newcombe, R.G. 191–194 (1992) 263

Smirnov, V.A., see Zvezdin, Yu.I. 191–194 (1992) 855

Smith, D., see Attaya, H. 191–194 (1992) 1469

Smith, D.L., see Chung, H.M. 191–194 (1992) 942

Smith, D.L., see Hassanein, A. 191–194 (1992) 503

Smith, D.L., see Loomis, B.A. 191–194 (1992) 84

Smith, D.L., see Mattas, R.F. 191–194 (1992) 139

Smith, D.L., see Rybin, V.V. 191–194 (1992) 30

Smith, G.M. and G.J. Butterworth, Neutron activation of elements and the radiological implications for development and use of low activation materials 191–194 (1992) 1455

Smolik, G.R., B.J. Merrill and R.S. Wallace, Implications of beryllium : steam interactions in fusion reactors 191–194 (1992) 153

Snead, L.L., D. Steiner and S.J. Zinkle, Measurement of the effect of radiation damage to ceramic composite interfacial strength 191–194 (1992) 566

Snead, L.L., S.J. Zinkle and D. Steiner, Radiation induced microstructure and mechanical property evolution of SiC/C/SiC composite materials 191–194 (1992) 560

Sokolov, V.A., see Burtseva, T.A. 191–194 (1992) 309

Sommer, W.F., P.D. Ferguson and M.S. Wechsler, Neutron flux enhancement at LASREF 191–194 (1992) 1374

Sommer, W.F., see Heinisch, H.L. 191–194 (1992) 1177

Sommer, W.F., see Muroga, T. 191–194 (1992) 1150

Sordon, G., see Dalle Donne, M. 191–194 (1992) 149

Sotnikov, S.M., see Buzhinsky, O.I. 191–194 (1992) 1413

Stansfield, B., see Saint-Jacques, R.G. 191–194 (1992) 465

Steiner, D., see Duquette, D.J. 191–194 (1992) 992

Steiner, D., see Snead, L.L. 191–194 (1992) 560

Steiner, D., see Snead, L.L. 191–194 (1992) 566

Stoller, R.E., R.H. Goulding and S.J. Zinkle, Measurement of dielectric properties in ceramics under ionizing and displacive irradiation conditions 191–194 (1992) 602

Stoller, R.E., see Katoh, Y. 191–194 (1992) 1144

Strebkov, Ju.S., see Nekrashevitch, Ju.G. 191–194 (1992) 1042

Strebkov, Yu.S., see Kalinin, G.M. 191–194 (1992) 1363

Strebkov, Yu.S., see Polosuhin, B.G. 191–194 (1992) 219

Strizak, J.P., see Burchell, T.D. 191–194 (1992) 295

Stubbins, J.F. and F.A. Garner, A microstructural examination of the mechanical response of Fe–Cr–Ni alloys irradiated at 365°C using isotopic tailoring to produce different He/dpa ratios 191–194 (1992) 1300

Stubbins, J.F. and F.A. Garner, Swelling and microstructure of high purity nickel irradiated with fast neutrons in EBR-II 191–194 (1992) 1295

Stubbins, J.F., see Edwards, D.J. 191–194 (1992) 416

Sugimoto, M., K. Noda, H. Ohno and T. Kondo, Accelerator system for the energy selective neutron irradiation test facility (ESNIT) 191–194 (1992) 1432

Sugimoto, M., see Noda, K. 191–194 (1992) 1367

Sukegawa, T., see Bolt, H. 191–194 (1992) 300

Sulimov, E.M., see Polosuhin, B.G. 191–194 (1992) 219

Sun, J.G., see Chen, K.Q. 191–194 (1992) 737

Sun, J.G., see Qian, J.P. 191–194 (1992) 1229
Sun, Y.M., see Chen, K.Q. 191–194 (1992) 737
Suolang, S., see Fenici, P. 191–194 (1992) 1408
Surina, O.N., see Nekrashevitch, Ju.G. 191–194 (1992) 1042
Suzuki, M., A. Hishinuma, N. Yamanouchi, M. Tamura and A.F. Rowcliffe, Alloy preparation for studying the effect of hydrogen production during neutron irradiation using ^{54}Fe isotope 191–194 (1992) 1056
Suzuki, M., M. Eto, Y. Nishiyama, K. Fukaya, M. Saito and T. Misawa, Small specimen test techniques for the evaluation of toughness degradation 191–194 (1992) 1023
Suzuki, M., S. Hamada, P.J. Maziasz, S. Jitsukawa and A. Hishinuma, Compositional behavior and stability of MC-type precipitates in JPCA austenitic stainless steel during HFIR irradiation 191–194 (1992) 1351
Suzuki, S., see Akiba, M. 191–194 (1992) 373

Tachikawa, N., see Kawabe, T. 191–194 (1992) 1387
Tada, M., see Matsui, H. 191–194 (1992) 919
Takagi, I., H. Fujita, K. Shin and K. Higashi, Observations of deuterium trapping in nickel irradiated by ^{3}He 191–194 (1992) 1313
Takahashi, H., S. Ohnuki and H. Kinoshita, Effect of additional minor elements on microstructural evolution of neutron irradiated Fe–Cr–Mn alloys 191–194 (1992) 1183
Takahashi, H., see Garner, F.A. 191–194 (1992) 948
Takahashi, H., see Gelles, D.S. 191–194 (1992) 1336
Takahashi, H., see Kinoshita, H. 191–194 (1992) 874
Takahashi, H., see Ohnuki, S. 191–194 (1992) 1134
Takahashi, H., see Satou, M. 191–194 (1992) 956
Takahashi, Y., see Terai, T. 191–194 (1992) 272
Takaoka, O., see Ono, K. 191–194 (1992) 1269
Tam, S.W. and V. Ambrose, Tritium transport in lithium ceramics porous media 191–194 (1992) 253
Tamura, M., see Kohno, Y. 191–194 (1992) 868
Tamura, M., see Suzuki, M. 191–194 (1992) 1056
Tamura, M., see Yamanouchi, N. 191–194 (1992) 822
Tanabe, T., K. Niwase, N. Tsukuda and E. Kuramoto, On the characterization of graphite 191–194 (1992) 330
Tanabe, T., T. Baba, A. Ono, M. Fujitsuka, T. Shikama and H. Shinno, Thermal properties of carbon–boron–titanium compounds as plasma facing materials 191–194 (1992) 382
Tanabe, T., Y. Yamanishi and S. Imoto, Hydrogen permeation and diffusion in molybdenum 191–194 (1992) 439
Tanabe, T., Hydrogen permeation study with atomic hydrogen beam 191–194 (1992) 444
Tanabe, T., see Ezawa, T. 191–194 (1992) 1346
Tanabe, T., see Niwase, K. 191–194 (1992) 335
Tanabe, T., see Shikama, T. 191–194 (1992) 611
Tanaka, I., see Niwase, K. 191–194 (1992) 335
Tanaka, I., see Sagawa, H. 191–194 (1992) 1379
Tanaka, M., see Matsui, H. 191–194 (1992) 919
Tanaka, S., M. Yamawaki, K. Yokoo, K. Kurita and R. Kiyose, Hydrogen transports through gas/liquid $Li_{17}Pb_{83}$ interface and metal membrane contacting the alloy 191–194 (1992) 209
Tanaka, S., see Akiba, M. 191–194 (1992) 373
Tanaka, S., see Bolt, H. 191–194 (1992) 300
Tanaka, S., see Bolt, H. 191–194 (1992) 364
Tanaka, S., see Yamaki, D. 191–194 (1992) 204
Tanaka, S., see Yamawaki, M. 191–194 (1992) 326
Tawara, K., see Tokunaga, K. 191–194 (1992) 449
Terai, T., K. Uozumi and Y. Takahashi, Tritium release behavior from molten lithium–lead alloy by permeation through stainless steel type 304 191–194 (1992) 272
Terlain, A., T. Flament, T. Dufrenoy and J. Sannier, Mass transfer of 316L steel in Pb17Li CLIPPER loop after 12000 hour running 191–194 (1992) 984
Terlain, A., see Sannier, J. 191–194 (1992) 975
Terlain, A., see Thevenot, G. 191–194 (1992) 226
Teruyama, K., see Ando, T. 191–194 (1992) 1423
Tezuka, M., see Ando, T. 191–194 (1992) 1423
Tezuka, M., see Yano, T. 191–194 (1992) 635
Thevenot, G., F. Lefevre, J. Estrade, M. Roche, T. Flament and A. Terlain, LIPSIE device: Pb–17Li irradiation in water loop with on-line tritium measurements 191–194 (1992) 226
Thevenot, G., see Rasneur, B. 191–194 (1992) 243
Thompson, D.A., see Macaulay-Newcombe, R.G. 191–194 (1992) 263
Tokiguchi, K., see Gotoh, Y. 191–194 (1992) 360
Tokita, M., see Ohno, H. 191–194 (1992) 525
Tokunaga, K., T. Muroga, T. Fujiwara, K. Tawara, N. Yoshida, S. Itoh and the TRIAM Group, Radiation damage induced by plasma exposures under long duration tokamak discharge in TRIAM-1M 191–194 (1992) 449
Tokunaga, K., see Muroga, T. 191–194 (1992) 1248
Toloczko, M.B., F.A. Garner and C.R. Eiholzer, Determination of the creep compliance and creep–swelling coupling coefficient for neutron irradiated titanium-modified stainless steels at ~400°C 191–194 (1992) 803
Toloczko, M.B., see Garner, F.A. 191–194 (1992) 813
Toropova, L.S., see Ivanov, L.I. 191–194 (1992) 1075
Tortorelli, P., see Flament, T. 191–194 (1992) 132
Tortorelli, P.F., Dissolution kinetics of steels exposed in lead–lithium and lithium environments 191–194 (1992) 965
Tortorelli, P.F., see Edgemon, G.L. 191–194 (1992) 997
Tovtin, V.I., see Ivanov, L.I. 191–194 (1992) 1075
Tovtin, V.I., see Ivanov, L.I. 191–194 (1992) 928

Toyonaga, T., see Morishita, K. 191–194 (1992) 1123
TRIAM Group, see Tokunaga, K. 191–194 (1992) 449
Trofimchuk, E.I., see Burtseva, T.A. 191–194 (1992) 309
Tserevitinov, S., see Gahl, J.M. 191–194 (1992) 454
Tsukuda, N., see Tanabe, T. 191–194 (1992) 330
Tsykanov, V.A., see Gorynin, I.V. 191–194 (1992) 421
Tugarinov, S.N., see Buzhinsky, O.I. 191–194 (1992) 1413
Tulyakov, G.A., see Zvezdin, Yu.I. 191–194 (1992) 855
Tupizina, E.V., see Barsuk, V.A. 191–194 (1992) 1417
Tutrin, Yu.I., see Akishin, A.I. 191–194 (1992) 1372

Ueno, F., see Nakajima, H. 191–194 (1992) 1046
Ullmaier, H., see Albertini, G. 191–194 (1992) 1327
Ullmaier, H., see Carsughi, F. 191–194 (1992) 1284
Ullmaier, H., see Shakib, J.I. 191–194 (1992) 1404
Umesaki, N., see Ohno, H. 191–194 (1992) 525
Uozumi, K., see Terai, T. 191–194 (1992) 272
Ustinovshchikov, V.M., see Ivanov, L.I. 191–194 (1992) 733
Usui, H., see Noda, K. 191–194 (1992) 1367

van Veen, A., see Eleveld, H. 191–194 (1992) 433
Vasilyev, A.A., see Buzhinsky, O.I. 191–194 (1992) 1413
Veilleux, G., see Saint-Jacques, R.G. 191–194 (1992) 465
Verrall, R.A., see Slagle, O.D. 191–194 (1992) 214
Vershkov, V.A., see Barsuk, V.A. 191–194 (1992) 1417
Victoria, M., see Gavillet, D. 191–194 (1992) 890
Victoria, M., see Marmy, P. 191–194 (1992) 862
Vinokurov, V.F., see Kalinin, G.M. 191–194 (1992) 1363
Vinokurov, V.F., see Prokofiev, Yu.G. 191–194 (1992) 483
Vinokurov, V.F., see Rybin, V.V. 191–194 (1992) 795
Vishkarev, O.M., see Zvezdin, Yu.I. 191–194 (1992) 855
Vollath, D., see Noda, K. 191–194 (1992) 248

Wahi, R.P., see Schumacher, G. 191–194 (1992) 478
Wahi, R.P., see Wanderka, N. 191–194 (1992) 1356
Wakai, E., see Ezawa, T. 191–194 (1992) 1346
Wallace, R.S., see Smolik, G.R. 191–194 (1992) 153
Wanderka, N., Y. Yuan, L. Jiao, R.P. Wahi and H. Wollenberger, Microstructural phase stability of Cu-base alloys under 300 keV Cu^+ ion irradiation 191–194 (1992) 1356
Wanderka, N., see Schumacher, G. 191–194 (1992) 478
Wang, C.A., H.T. Lin, M.L. Grossbeck and B.A. Chin, Suppression of HAZ cracking during welding of helium-containing materials 191–194 (1992) 696
Wang, C.A., R.L. Klueh and B.A. Chin, The weldability of low activation Cr–W steels 191–194 (1992) 831
Wang, Y., see Yu, J. 191–194 (1992) 728
Wang, Z.G., see Chen, K.Q. 191–194 (1992) 737
Wassilew, C. and K. Ehrlich, Effect of neutron irradiation on the dynamic fracture toughness behaviour of the 12% Cr steel MANET-I investigated using subsize V-notch specimens 191–194 (1992) 850
Watanabe, H., see Hollenberg, G.W. 191–194 (1992) 23
Watanabe, H., see Noda, K. 191–194 (1992) 248
Watanabe, H., see Yoshida, N. 191–194 (1992) 1114
Watanabe, K., see Ishitsuka, E. 191–194 (1992) 183
Watanabe, K., see Kato, Y. 191–194 (1992) 1428
Watanabe, K., see Noda, K. 191–194 (1992) 1367
Wechsler, M.S., see Sommer, W.F. 191–194 (1992) 1374
Wedemeyer, H., H. Werle and E. Günther, Influence of grain-size and carbonate impurities on the tritium release from lithium orthosilicate 191–194 (1992) 240
Werle, H., see Wedemeyer, H. 191–194 (1992) 240
Wiffen, F.W., see Clinard, Jr., F.W. 191–194 (1992) 1399
Wiffen, F.W., see Harries, D.R. 191–194 (1992) 92
Wiffen, F.W., see Kondo, T. 191–194 (1992) 100
Wikle III, H.C., see Nagarajan, S. 191–194 (1992) 1060
Wilcox, R.C., see Lee, C.K. 191–194 (1992) 488
Wojtowicz, S.S., see Clinard, Jr., F.W. 191–194 (1992) 1399
Wollenberger, H., see Abromeit, C. 191–194 (1992) 1092
Wollenberger, H., see Schumacher, G. 191–194 (1992) 478
Wollenberger, H., see Wanderka, N. 191–194 (1992) 1356
Woo, C.H. and F.A. Garner, A SIPA-based theory of irradiation creep in the low swelling rate regime 191–194 (1992) 1309
Woo, C.H., B.N. Singh and F.A. Garner, Production bias: a proposed modification of the driving force for void swelling under cascade damage conditions 191–194 (1992) 1224
Wrisley, K.L., see Duquette, D.J. 191–194 (1992) 992
Wu, A., see Shan, C. 191–194 (1992) 221
Wu, C.H., see Mattas, R.F. 191–194 (1992) 139
Wu, W.Y., see Zee, R.H. 191–194 (1992) 571

Xu, Q., see Yoshida, N. 191–194 (1992) 1114

Yamada, R., S.J. Zinkle and G.P. Pells, Defect formation in ion-irradiated Al_2O_3 and $MgAl_2O_4$: effects . of grain boundaries and fusion transmutation products 191–194 (1992) 640
Yamada, R., see Nagasaki, T. 191–194 (1992) 258
Yamaguchi, H., see Kawabe, T. 191–194 (1992) 1387
Yamaguchi, K., see Yamawaki, M. 191–194 (1992) 326
Yamakawa, K., I. Mukouda and Y. Shimomura, Void formation in neutron-irradiated Cu and Cu alloys 191–194 (1992) 396
Yamaki, D., S. Tanaka and M. Yamawaki, Effects of oxygen potential on tritium release from Li_2O 191–194 (1992) 204
Yamaki, T., see Gotoh, Y. 191–194 (1992) 360
Yamamoto, M., see Ando, T. 191–194 (1992) 1423
Yamamoto, M., see Matsui, H. 191–194 (1992) 919
Yamamoto, S., Y. Ishida, N. Sekimura and M. Mori, Microscopic tritium behavior in ion-irradiated austenitic steels 191–194 (1992) 759
Yamanishi, Y., see Tanabe, T. 191–194 (1992) 439
Yamanouchi, N., M. Tamura, H. Hayakawa, A. Hishinuma and T. Kondo, Accumulation of engineering data for practical use of re-

duced activation ferritic steel: 8%Cr–2%W–0.2%V–0.04%Ta–Fe 191–194 (1992) 822
Yamanouchi, N., see Suzuki, M. 191–194 (1992) 1056
Yamawaki, M., K. Yamaguchi, M. Satoh and S. Tanaka, Chemical interaction of hydrogen with graphite in regard of hydrogen recycling and chemical erosion of fusion reactor first wall material 191–194 (1992) 326
Yamawaki, M., see Tanaka, S. 191–194 (1992) 209
Yamawaki, M., see Yamaki, D. 191–194 (1992) 204
Yang, Q., see Yu, J. 191–194 (1992) 728
Yang, Q., see Yu, J. 191–194 (1992) 818
Yang, S.H., see Chen, K.Q. 191–194 (1992) 737
Yano, T., M. Tezuka, H. Miyazaki and T. Iseki, Macroscopic length, lattice parameter and microstructural changes in neutron-irradiated aluminum nitride due to annealing 191–194 (1992) 635
Yano, T., see Iseki, T. 191–194 (1992) 588
Yao, Y., see Yu, J. 191–194 (1992) 728
Yao, Y., see Yu, J. 191–194 (1992) 818
Yokoo, K., see Tanaka, S. 191–194 (1992) 209
Yokoyama, K., see Akiba, M. 191–194 (1992) 373
Yokoyama, N., see Nakajima, H. 191–194 (1992) 1046
Yoshida, H., see Sagawa, H. 191–194 (1992) 1379
Yoshida, N., Q. Xu, H. Watanabe, T. Muroga and M. Kiritani, Low dose fission neutron irradiation on P- and Ti-modified austenitic alloys with improved temperature control 191–194 (1992) 1114
Yoshida, N., see Inoue, H. 191–194 (1992) 1342
Yoshida, N., see Muroga, T. 191–194 (1992) 1248
Yoshida, N., see Muroga, T. 191–194 (1992) 1254
Yoshida, N., see Tokunaga, K. 191–194 (1992) 449
Yoshida, S., see Nakajima, H. 191–194 (1992) 952
Yoshiie, T. and M. Kiritani, The variation of the cascade localization induced bias effect with material parameters and irradiation conditions 191–194 (1992) 1088
Yoshiie, T., S. Kojima, Y. Satoh, K. Hamada and M. Kiritani, Detection of the role of free point defects from the variation of defect structures near permanent sinks in neutron irradiated metals 191–194 (1992) 1160
Yoshiie, T., see Kojima, S. 191–194 (1992) 1155
Yoshiie, T., see Satoh, Y. 191–194 (1992) 1101
Young, K.M., see Clinard, Jr., F.W. 191–194 (1992) 1399
Yu, J., Y. Chen, Q. Yang, Y. Shi, Y. Yao, X. Li and Y. Wang, Microstructural changes of 316L stainless steel under energetic alpha particle and proton irradiation at 500°C 191–194 (1992) 728
Yu, J., Y. Chen, Y. Shi, Q. Yang, Y. Yao and X. Li, The blistering of 316L stainless steel irradiated with energetic alpha particles at 500°C 191–194 (1992) 818
Yuan, Y., see Wanderka, N. 191–194 (1992) 1356

Zakharov, A., see Gahl, J.M. 191–194 (1992) 454
Zakharov, A.P., see Buzhinsky, O.I. 191–194 (1992) 1413
Zakharov, A.P., see Chernikov, V.N. 191–194 (1992) 320
Zakharov, A.P., see Sharapov, V.M. 191–194 (1992) 508
Zav'jalsky, L.P., see Burtseva, T.A. 191–194 (1992) 309
Zavyalski, L.P., see Evtikhin, V.A. 191–194 (1992) 924
Zee, R.H., W.Y. Wu and B.A. Chin, Electrotransport and radiation effects in alumina insulators during high temperature reactor applications 191–194 (1992) 571
Zhao, Z., see Shan, C. 191–194 (1992) 221
Zhao, Z.Y., see Qian, J.P. 191–194 (1992) 1229
Zinkle, S., see Lee, C.K. 191–194 (1992) 488
Zinkle, S.J. and E.R. Hodgson, Radiation-induced changes in the physical properties of ceramic materials 191–194 (1992) 58
Zinkle, S.J., Anisotropic dislocation loop nucleation in ion-irradiated $MgAl_2O_4$ 191–194 (1992) 645
Zinkle, S.J., see Allen, W.R. 191–194 (1992) 625
Zinkle, S.J., see Clinard, Jr., F.W. 191–194 (1992) 1399
Zinkle, S.J., see Snead, L.L. 191–194 (1992) 560
Zinkle, S.J., see Snead, L.L. 191–194 (1992) 566
Zinkle, S.J., see Stoller, R.E. 191–194 (1992) 602
Zinkle, S.J., see Yamada, R. 191–194 (1992) 640
Zucchetti, M., see Rocco, P. 191–194 (1992) 1474
Zuzak, W.W., see Saint-Jacques, R.G. 191–194 (1992) 465
Zvezdin, Yu.I., O.M. Vishkarev, G.A. Tulyakov, Yu.G. Magerya, V.A. Smirnov, I.A. Shenkova, I.V. Altovski, A.A. Grigoryan, V.K. Shamardin and U.M. Pecherin, Radiation embrittlement and recovery annealing regularities of ITER blanket 9Cr steel 191–194 (1992) 855
Zykanov, V.A., see Kalinin, G.M. 191–194 (1992) 1363
Zyryanov, A.P., see Kalinin, G.M. 191–194 (1992) 1363
Zyryanov, A.P., see Polosuhin, B.G. 191–194 (1992) 219

Journal of Nuclear Materials 191–194 (1992) 1501–1506
North-Holland

journal of nuclear materials

Subject index

Accelerators 1367, 1432
Actinides 1464
Activation 1469
Activation energy 236
Activation products 1464
Aerosols 153
Aging 686
AlF_3–BeF_2 system 525
Alumina 268, 548, 571
Aluminum and aluminum alloys 149, 1065, 1075, 1209, 1214, 1219, 1269
  diffusion 1289
Aluminum coating 970
Aluminum composites 616
Aluminum compounds (other than lithium aluminates) 460, 555, 635, 640
  alumina 530
Amorphization 478
Analytic electron microscopy 1331
Analytical techniques 625
Argon 356
Atmospheric contamination 277
Atomic hydrogen 444

BCA simulation 125, 1101
Bend test 539
Beryllium and beryllium alloys 139, 153, 158, 163, 168, 183, 263
Beryllium brazing 493
Beryllium compounds 263
Bismuth 288
Black-spot loops 701
Blanket 190, 288
Blanket concepts 132, 158, 988, 1379
Blister threshold 818
Blistering 818
Bonding 469
Boron 508, 879
Boron, influence of 300, 1254
Boron-modified graphite 320
Boronization, on
  graphite 1413
  molybdenum 1413
  stainless steels 1413
Brazing 469, 478, 488
Breeder materials, 163, 168, 1379
  liquid lithium 190
  lithium 132, 288, 965, 1065, 1428
  lithium aluminates 199, 231, 236, 243, 268
  lithium oxides 23, 139, 199, 204, 214, 253, 268
  lithium salts, aqueous solutions 992
  lithium silicates 15, 149, 173, 199, 240, 248
  lithium vanadates 199
  lithium zirconates 15, 199, 243
  lithium–lead 132, 186, 209, 226, 277, 283, 288, 960, 965, 970, 979, 988
Bubble coalescence 818
Bubble density distribution 728
Bubble formation 583, 1219, 1265
Bubble kinetics 696
Bubble size distribution 728
Bubbles, in
  nickel 1248

Carbon fiber/SiC composite 539
Cascade collision 1155
Cascade damage 1224
Cascade effect 1194
Cascades 125, 1083, 1088, 1106, 1166
Cavity atomic size 952
Ceramics, 67, 163, 377, 555, 571, 579, 588, 635, 1110, 1372
  Cr_2O_3-doped alumina 598
  dielectric properties 58, 530, 535, 548, 602, 1399
  electrical conductivity 58, 548, 552
  electrical properties 544, 575
  general 58, 611, 640, 1046
  mechanical properties 58, 75, 530
  optical properties 1399
  radiation damage 566
  single crystal alumina 598
  swelling 58
  thermal conductivity 58, 75, 382
Characterization 330
Chemical activity 288
Chemical vapor deposition 469
Chemical vapor infiltration 539
Cleavage 827
CLIB effect 125
Coarsening of bubbles 1284
Coatings, 340, 460, 465, 469, 499, 503, 508, 979, 1413, 1417
  TiC 221
Cold creep 676
Cold work level 813, 1295
Collision cascade 1101
Compatibility 132, 158, 168
Compatibility, corrosion by
  liquid metals and alloys 163, 975, 979, 984
  water 1007
  water, water vapor and aqueous solutions 430
Composite materials, 92, 503, 508, 1372
  alumina/zircona 530
  carbon/carbon 295, 305, 309, 340, 373, 1423
  carbon/silicon carbide 75
  defects and microstructure 108
  mechanical properties 566
  other 611

radiation damage 566
silicon carbide/carbon 75, 560, 566
silicon carbide/silicon carbide 75, 515, 607, 1110, 1474
TiN + TiC 221
Computer calculations and simulation, 1106, 1110, 1428
activation behavior 1464
metals 139, 1002, 1083, 1096, 1123, 1144, 1279, 1318, 1346
neutron flux 1374
tritium behaviour 186
Conductivity 305
Constitution 283
Copper and copper alloys 30, 386, 407, 411, 488, 493, 1101, 1150, 1172, 1383
defects and microstructure 108, 396, 407, 1139, 1356
electrical properties 401, 416
mechanical properties 401, 416, 1177
Corrosion 965
Corrosion by liquid lithium 924
Cracking 1012
Creep and relaxation 676
steels, austenitic 798, 1309
steels, ferritic 1309
Creep-rupture strength 668
Critical radius 607

d–Lithium reaction 1367, 1432
Damage 1392
Damage layer 1392
Decay heat 1469
Defect density 330
Defect production 1083, 1110
Defects and defect structures 335, 478, 933, 1106, 1209, 1269, 1274
ceramics 552, 630, 635, 640, 645
copper 1139, 1150
general 1160
gold 1123
graphite 356
iron 1139, 1318
nickel 1313
rate theory 1160
steels, austenitic 808, 1331
steels, ferritic 1204
tungsten 433
Defects and microstructures 411, 808, 1274
Degree of graphitization 330
Design 515
Design study 1428
Desorption
hydrogen 236
water 236
Deuterium release 263
Diagnostics 1399
Diamond 346
Diffusion coefficient 1106
Diffusion couple 158
Diffusion, in
ceramic breeder materials 231, 253
graphite 368, 377
liquid lithium 190
solid metals and alloys 272, 488, 1088, 1160, 1269, 1289, 1313, 1346
Diffusivity 439
Dislocation loops 630, 645, 1134, 1194
Dislocations, 952, 1189, 1295
helium flux 1265
irradiation effects 1265
metals 672
Dispersion-strengthened alloys 416
microstructure 874
Displacement damage 1106, 1110
Disruptions 300
Dissolution kinetics 965
Divertor 139, 391, 483, 499
Divertor and limiter materials 30, 309, 430, 1387
Divertor compounds 386
Dose dependence 701
Dual-beam irradiation 1134
Dual-ion irradiation 583, 1219
Ductility 942

EC-wave windows 530
EELS 346
Effect of gas atoms 396
Electrical properties 283, 386, 552, 602
Electron irradiation 67, 928, 1075, 1189, 1194, 1229, 1336, 1342
Electron microscopy 330, 928, 1075, 1284
Electron-beam welds 776
Electron irradiation 1075
Electrotransport 571
Embrittlement 178, 781, 1305
ESNIT 1367, 1428, 1432
Experimental techniques, 592
irradiation facilities 100, 226, 1033, 1363, 1408
laboratory devices 1028, 1363
tensile tests 1033

F^+-centers 268, 268
Fabrication 483, 508
Fabrication of Be bonds 493
Fast reactors 1239
Fatigue, 672
metals and alloys 676, 795, 841, 915, 1404, 1408
refractory ceramics 465
Fatigue, low-cycle
metals and alloys 836
Fcc metals 1128
FFTF irradiation 868
First wall 346, 1327
First wall materials 1392
Fission 1114
Fission neutrons 1150, 1172
Fission products 1464
Fluctuation effect 1155
Fluoride glass 525
Flux dependence 1214
FMIT 1367
Fracture
intergranular 1305
Fracture behavior 790
Fracture mechanisms 827
Fracture toughness 50, 539, 616, 691, 827, 850, 896
measurement of 1038
small specimens test 1023

Frank loops 701
Free point defects 1088, 1160
Fusion breeder radioactivity 1464
Fusion energy, potential role 7
Fusion neutrons 1150
Fusion reactor 1392
Fusion reactor development strategy 3

Gamma prime 1244
Gas bubble diffusion 1289
Gas density in bubbles 1284
General data bases, 1046
  nuclear properties 1042
  physical properties 1042
  steels 1042
  structural materials 1042
  tensile properties 1042
Graphite, 67, 295, 309, 315, 326, 330, 335, 340, 351, 377, 469, 539, 1417
  absorption, desorption 320, 360, 368
  electrical properties 1423
  erosion 364
  erosion and sublimation 45, 373, 454
  mechanical properties 320
  plasma disruption 45, 300, 454
  thermal properties 1423
Growth rate 1194
GTA Welding 696, 831
Guidelines, reduced activation materials 1439

Hardness 813
HAZ cracking 696
Heat shock resistance 300, 309, 382, 391, 460, 465
Heating impulse 1392
Helium 335, 356, 1209
Helium bubbles, 1327
  embrittlement 754, 781
  microstructure 754, 781
Helium diffusion 1265
Helium effects 742, 1166, 1239
Helium embrittlement 919
Helium ions 1214
Helium trapping 1134
Helium, in
  aluminum 1219, 1269
  aluminum oxide 625
  ceramic materials 583, 607, 625
  copper and copper alloys 1172, 1259
  graphite 377
  iron 1318
  lattice site of steels, ferritic 625
  metallic materials 1305
  nickel 1051, 1248, 1254, 1346
  steels 786, 1051
  steels, austenitic 696, 712, 748, 754, 771, 776, 781, 790, 798, 818, 1144, 1300
  steels, ferritic 910
  vanadium and vanadium alloys 84, 919, 933, 938, 952
  welds 754
Helium, lattice site 625
Helium/dpa ratio 748, 1134, 1234, 1239, 1300
High-energy neutrons 1383
High heat flux effects 386, 499, 1387
High heat flux materials 416
High purity 1444
HOPG 330
Hot-pressed SiC 579
HR-1 stainless steel 653
Hydrides and deuterides 430
Hydrocarbon formation 326
Hydrogen and deuterium
  alloys 430
  diffusion 444
  diffusivity 653
  generation 153
  loading 653
  permeation 444
  reaction with lithium silicate 173
  release 258
  solubility 653
Hydrogen and deuterium, in, 258, 335, 346, 1209
  aluminum 1219
  beryllium 183
  ceramic materials 583
  graphite 320, 360, 368, 508
  molybdenum 439
  nickel 1248, 1313
  steels 209, 219, 653, 776, 818, 960, 1056, 1318
  tungsten 433
  vanadium alloys 84
Hydrogen clusters 449

ICF reactors 1450
Impact properties, 850, 896
  steels, austenitic 691
  vanadium and vanadium alloys 84
  weldments 691
Impurities 277, 1002, 1007, 1318, 1444
In-situ observation 583, 1214, 1219
In-situ release experiment 204
Induced radioactivity 928, 1075
Infrared sensing 1060
Insulators 571, 621, 1372
Intergranular stress corrosion cracking 997
International programs 100
Interstitial cluster nucleation 125, 1224
Interstitial loops 449
Ion conductivity 248
Ion implantation 754, 776, 781, 1259
Ion irradiation 67, 645
IR radiometry 315, 525
Iron and iron alloys
  compatibility and corrosion 988
  nuclear properties 1461
Irradiation 214, 1106
Irradiation-assisted stress corrosion cracking 1002, 1007, 1018
Irradiation correlation 1150
Irradiation creep 803, 813
Irradiation damage 905
Irradiation defects 268
Irradiation effects 15, 30, 37, 50, 168, 219, 295, 309, 346, 356, 368, 449, 571, 717, 766, 790, 798, 808, 850, 901, 928, 938, 956, 1012, 1092, 1209, 1269, 1356, 1372, 1387

bubble diffusion 1289
defects and microstructure 240, 248, 351, 473, 548, 588, 625, 635, 701, 728, 733, 737, 748, 858, 1114, 1119, 1139, 1144, 1160, 1204, 1214, 1300, 1309, 1313
electrical conductivity 598
heavy ions 1119
helium retention 194
low activation alloys development 611, 1198
mechanical properties 84, 139, 194, 243, 483, 555, 560, 910, 1023, 1070, 1075, 1177, 1408
neutron spectral effects 1177
physical properties 84, 544, 552, 555, 575, 602, 1070
steels 1056
steels, austenitic 1239, 1351
steels, ferritic 116, 874
swelling 84, 588, 635, 712, 737, 915, 1088, 1096, 1144, 1204, 1279, 1309
tritium permeation 226
tritium release experiments 226, 240, 272
Irradiation effect studies, in
steels 1056
Irradiation facilities 168, 243, 592, 1367
Irradiation hardening 845, 862
Irradiation-induced precipitate swelling 942
Irradiation test 1432
Isotopes 928
Isotopic tailoring 1056, 1239, 1300
ITER 1399

Joint gap identification 1060
Joint tracking 1060
Joints 478

Kinetics 190, 258, 356
gas release from ceramic breeder materials 240
point defects 1189
tritium behavior 231
Kr^+ ion irradiation 1194

LAHET 1383
Limiter 139, 483, 499
Liquid metals 965
Lithium oxides 158
Lithium–lead 975, 984
Lithium vanadates 199
Low activation alloy 37, 84, 611, 662, 668, 733, 868, 928, 997, 1183, 1342, 1439, 1444, 1469
mechanical properties 822, 831, 845, 885, 910
microstructure 657, 831, 879, 910
radiological effects 1461, 1474
Low activation criteria 1474
Low activation materials 539, 1450, 1455
Low cycle fatigue 798, 862
Luminescence 268

Magnesium aluminate spinel 630
Magnetic fusion devices 525
Materials development program and data bases 3, 37, 515, 1046, 1439
criteria 92
low activation materials 92
nuclear data base 92
Mechanical properties 50, 515, 668, 905, 1028
ductility 766
hardening 766
tensile properties 766
Melting phenomena 460
Metallic materials 1046
Metals 258
Microstructure 50, 67, 125, 320, 539, 657, 717, 742, 905, 938, 956, 1166, 1194, 1198, 1209, 1274
beryllium 194, 1336
ceramics 583, 635, 640, 645
copper 396, 1150
evolution 818
PdAg 178
steels, austenitic 662, 701, 712, 781, 1342
steels, ferritic 1204, 1336
vanadium alloys 1336
Miniature specimens 1028
Miniature tensile test 901
Mn steels 997
Modelling 1166
Molecular dynamics 1083, 1106
Molten salt extraction 190
Molybdenum and molybdenum alloys 30
diffusion 439
electrical properties 426
irradiation 426
mechanical properties 421, 426
permeation 439, 444
Monte Carlo calculation 1383

Neutron flux enhancement 1374
Neutron irradiation 67, 100, 125, 320, 386, 396, 630, 742, 845, 868, 928, 948, 1075, 1128, 1155, 1244, 1383
Neutron sources 100, 1114, 1259, 1367, 1374, 1387, 1428, 1432
Nickel and nickel alloys, 717, 1070
defects and microstructure 1346
mechanical properties 691, 1239
nuclear properties 1051
permeation 444
swelling 1295
welds 691
Nickel phosphides 478
Niobium and niobium alloys 30, 430, 1189
Nonlinear effects simulation 1106
Nuclear properties 1379
Nuclear reaction analysis 1313
Nucleation 1155
Nucleation voids, 1259
interstitial clusters 1155, 1166

Optical fiber 525
Oxygen potential 204

PCA 803, 813
Pebble bed 149
Permeability 439
Phase changes 928

Phase relationships 283
Phase stability 478, 1183
Phase stability under irradiation 1356
Phase transformations 478, 657, 733, 1065, 1070
Pitting and crevice corrosion 992
Plasma bombardment 449
Plasma disruption 309, 340, 373, 460, 503, 1392
Plasma-driven permeation 1313
Plasma erosion 364
Plasma exposure 1404
Plasma facing components 493
Plasma impurity limit 45
Plasma simulator 364
Plasma–surface interaction 315
Polonium 288
Positron annihilation 330, 928
Precipitation
  alpha-prime 855
  analysis 868
  Laves phase 868
  $M_{23}C_6$ 668
  sigma phase 668
Pressureless sintered SiC 579
Pressurized tubes 803
Production bias 1224
Proton accelerator 1374
Proton irradiation 862, 1383
Pulse heat loading 1248

Radiation-induced conductivity 548
Radiation-induced precipitation 742, 868
Radiation-induced segregation 1018, 1018
Radiation resistance 928, 1075
Radioactive isotopes 928
Radioactive waste 199, 1455, 1474
Radiolysis effects on corrosion 992
Raman spectra 248
Raman spectroscopy 330, 525
Reactor irradiation 766
Recoil energy effect 125, 1101, 1128
Recombination 326
Recombination coefficient 258
Recovery 813
Recycling 199, 1439
Redeposition 364
Refractory materials 391
Remote measurements 315
Restoration phenomena 1070
Robot system 1028
Rosette structure 630

Safety 288
Segregation 733, 858, 885, 956, 1002, 1007, 1331, 1346
Self-ion irradiation 125, 1128
Sensitization 997
Shape memory 1070
Silicon 1244
Silicon carbide 377, 539, 555, 588, 1110
  electrical conductivity 579
  γ-ray irradiation 579
Silicon carbide crystal 583
Silicon refractory ceramics 583
Sink strength 1189
Small angle neutron scattering 1284, 1327
Solubility 263, 368, 439
Spallation neutrons 1150, 1172, 1177
Spectral effects 1450
Spectrally tailored irradiation 771
Spectroscopy 183, 335
Steam reactions 153
Steels, austenitic 37, 50, 92, 168, 473, 493, 657, 668, 676, 696, 722, 733, 742, 766, 790, 798, 965, 975, 979, 984, 1012, 1114, 1194, 1198, 1229, 1244, 1284, 1363
  chemical composition 1351
  compatibility and corrosion 970, 988, 992, 1002, 1007
  creep behavior 681, 781
  defects and microstructures 759, 1234, 1342
  diffusion 272
  electrochemical properties 1018
  hot cracking susceptibility 686
  mechanical properties 139, 460, 681, 686, 691, 706, 776, 786, 795, 808, 1177, 1234, 1408
  microstructure 686
  neutron irradiation 706
  effects of Ni 1234
  permeability 219
  precipitates 1351
  segregation 1002, 1331
  stability 1351
  swelling 706, 712, 737, 1144, 1234, 1323
  tensile properties 776
Steels, ferritic 92, 868, 874, 901, 965
  annealing 855
  compatibility and corrosion 988
  creep 822
  defects and microstructure 858, 879, 890, 910
  fatigue 915
  fracture behavior 827, 1038
  hydrogen effect 1056
  irradiation effects 116, 862
  isotopic tailoring 1056
  mechanical properties 116, 836, 841, 850, 855, 862, 896, 905, 910, 1023
  microstructure 841
  radiation resistance 855
  segregation 885
  swelling 1204
Steels, martensitic 92, 168, 965, 975, 1183, 1274, 1327
  mechanical properties 960
Steels, stainless 469, 672, 728, 803, 813, 1134, 662
Stochastic fluctuation 125
Stochastic theory 1166
Strength properties 37, 616, 790, 808, 901
  PdAg 178
  refractory ceramics 465
  steels, austenitic 691, 748, 771, 1300
  vanadium and vanadium alloys 84, 919
Strengthening dispersion particles 1356
Stress corrosion cracking 992, 1012
Structural materials 1046, 1450, 1469
Subcascades 125, 1101, 1128
Sublimation 139
Substrate 503

Subthreshold collisions 1106
Superconducting magnet materials 520, 1372
Surface effects 139, 356
  breeder materials 272
  ceramic breeder materials 236
  graphite 300, 320, 364, 503, 1417
  heat load analysis 499
  lithium–lead 272
  metals 183, 430, 433, 1404
Surface reaction 204
Surface roughness 315
Swamping effect 204
Sweeping heat loads 499
Swelling 37, 386, 407, 411, 416, 607, 630, 717, 728, 742, 803, 868, 938, 948, 952, 956, 1088, 1134, 1244, 1259, 1295, 1327
  ceramic materials 621, 640
  nickel 1254
  phenomenological theory 1323
  steels, austenitic 712, 748, 1300, 1323
  titanium 933
  vanadium and vanadium alloys 84

Target, ESNIT 1428
TDS 360
Temperature effects on cascade evolution 1123
Tensile properties 386
Tensile testing 1028
Ternary alloy 1284
Test reactors 1363, 1379, 1387
Thermal aging 657
Thermal conductivity 149, 373, 391
Thermal creep 813
Thermal desorption 326
Thermal diffusivity 305
Thermal expansion 391
Thermal fatigue 672, 841
Thermal response of divertor 499, 503
Thermal shock of carbon-based materials 340
Thermal spike evolution
  intermetallic compounds 1092
  longe-range order parameter 1092
  order–disorder transformation 1092
  phase stability under irradiation 1092
Thermal stress 1392
Thermal wave characterization 315
Thermodynamic properties 277
  cascade equilibrating process 1123
Thermophysical properties 315
Titanium compounds 465, 942
Titanium-modified steel 742, 803, 813
Tokamak 449
Trace elements 1444
Transmutation 416, 1172, 1259, 1383
Trapping/detrapping of hydrogen 326
Tritium 15
  doping 696
  percolation 253
  permeation 186, 209, 221, 272, 1065
  permeation barriers 178, 186, 221
  recovery 23, 190
  release 23, 168, 214, 226, 231, 253, 268, 272, 1379
Tritium, in
  lithium 190
  porous media 253
  stainless steels 759
Tungsten and tungsten alloys, 460
  mechanical properties 421

Vacancy cluster 1128
Vacuum degassing 653
Vacuum heating 183
Vacuum plasma spray 469
Vanadium and vanadium alloys, 92, 928, 938, 942, 948, 952, 956, 1444, 1469
  Charpy-impact properties 84
  compatibility and corrosion 84, 924, 988
  defects and microstructure 933
  fatigue 84
  irradiation effects 84
  mechanical properties 919, 924
  stress-rupture properties 84
  swelling 84
  tensile properties 84
Void swelling 396, 1166, 1172, 1224, 1229, 1295, 1318

Weldability 831
Welds 37, 776
  process control 1060
  properties 691, 722, 771, 798, 901, 1060
  techniques 722

X-ray analysis 330
X-ray microanalysis 1331

YAG laser 340
Young's modulus 1070